

*California Department of Transportation
Division of Maintenance*

Structure Maintenance and Investigations

B_{RIDGE}

I_{NSPECTION}

R_{ECORDS}

I_{NFORMATION}

S_{YSTEM}

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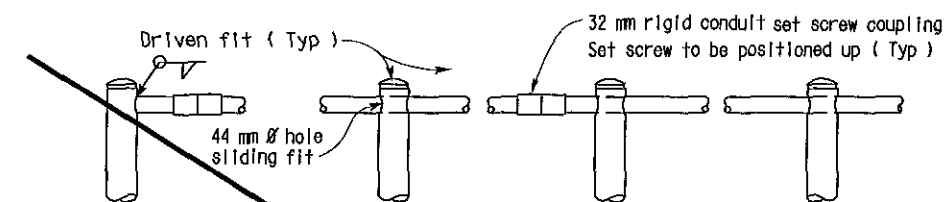
DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
06	Fre	99	23 3/50 7	133	133

~~8844-1~~ 10-3-00
REGISTERED ENGINEER - CIVIL
11-13-00

PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER
DIOSDADO ACOBA
No. 52003
EXP. 12 31 02
CIVIL
STATE OF CALIFORNIA

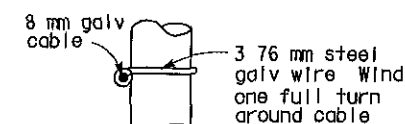


END POST

INTERMEDIATE POSTS

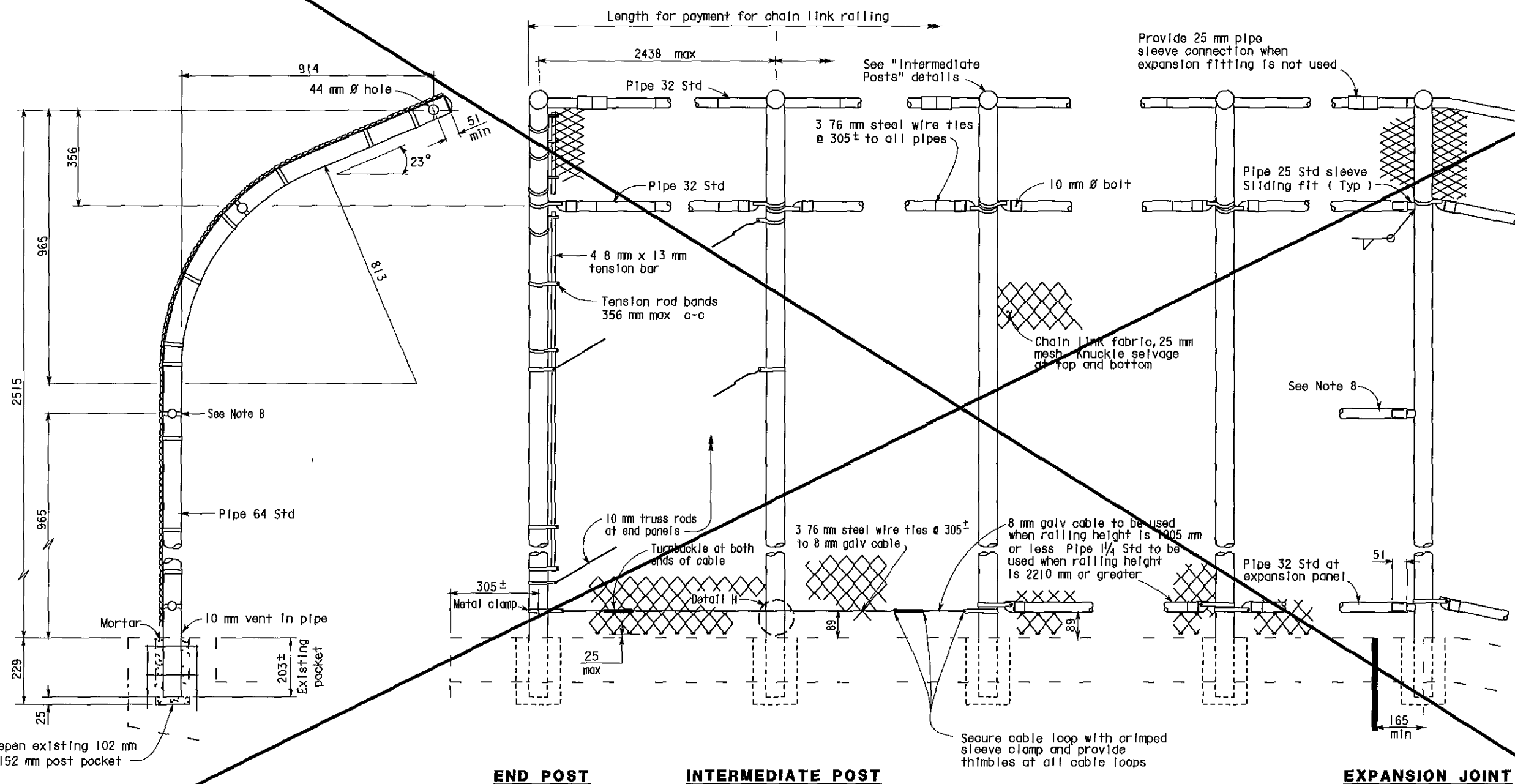


PLAN



ELEVATION

DETAIL H



TYPICAL POST DETAIL


ELEVATION

EXPANSION JOINT

SPECIAL DETAIL

NO SCALE

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

STANDARD DRAWING							
FILE NO	XS 9 81	DESIGN	BY	R W BISHOP	CHECKED	J HAMAGUCHI	APPROVAL RECOMMENDED BY
DRAWING DATE	Revised	DETAILS	BY	R YEE	CHECKED	J HAMAGUCHI	 DESIGN SUPERVISOR
		SUBMITTED BY	R W BISHOP				
DS OSD 2147A (METRIC) (REV 2/25/97)							

① Revised sheet - removed handrailing and electrical details and notes

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ENGINEERING
SERVICE CENTER
STRUCTURE MAINTENANCE**

BRIDGE NO	Various
KILOMETER POST	Varies

ROUTE 99 BRIDGES
CHAIN LINK RAILING TYPE 3 MO

CU	06105
EA	45200

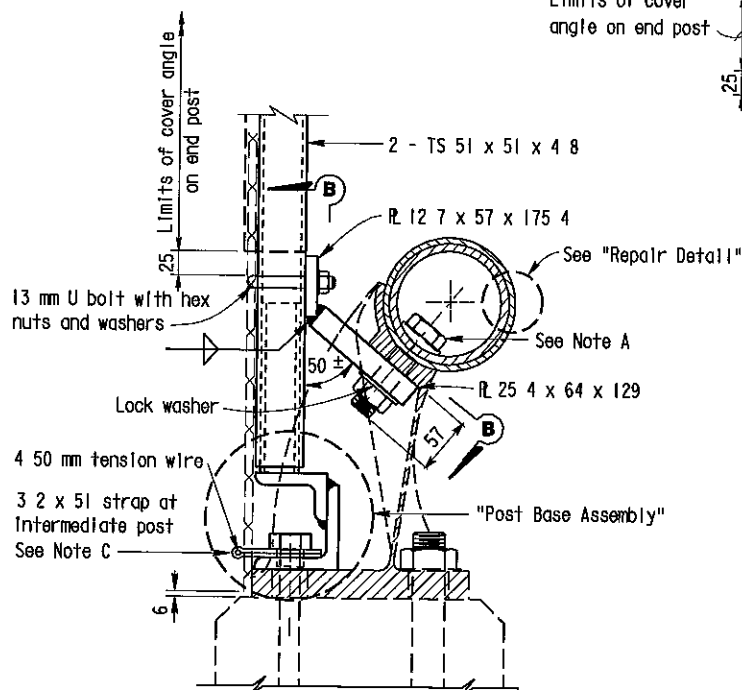
DISREGARD PRINTS BEARING
EARLIER REVISION DATES -

REVISION DATES (PRELIMINARY STAGE ONLY)						
00	7/17/00	9/28/00	10/3/00			

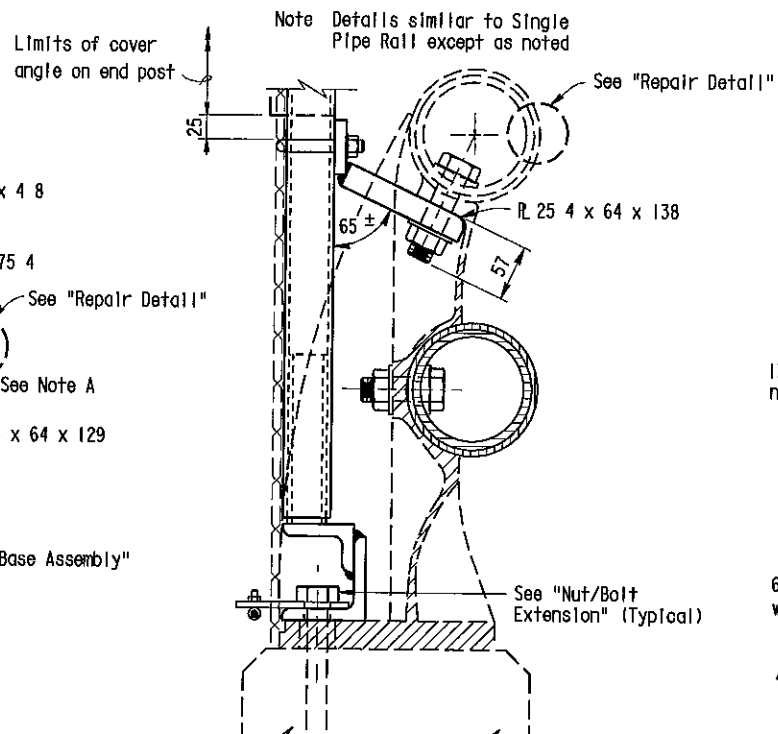
	SHEET	
	11	

Note A

Replace existing bolt with 25 mm x 102 mm bolt

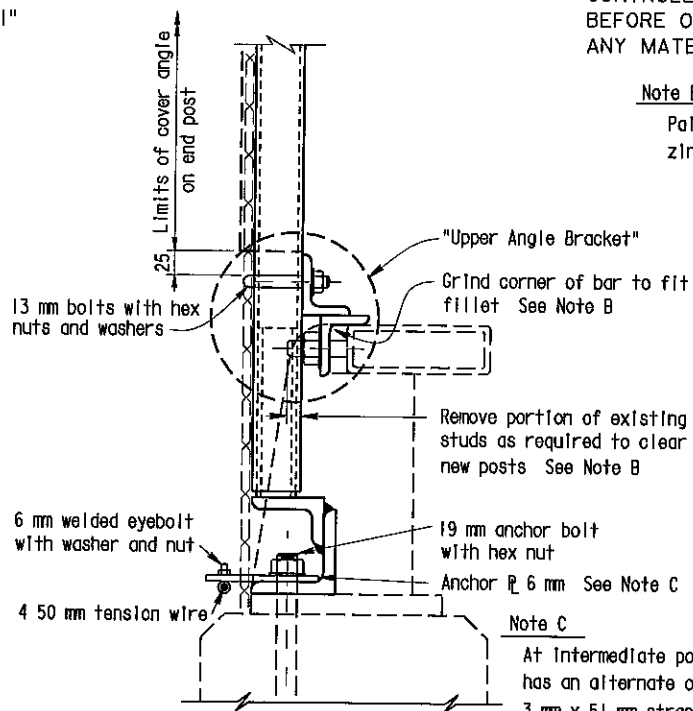


**SECTION A-A
(SINGLE PIPE RAIL)**



**SECTION A-A
(DOUBLE PIPE RAIL)**

Note Details for Type 9 and Type 11 Metal Railing are similar, Type 11 not shown



**SECTION A-A
(TUBE RAIL)**

NOTE
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

Note B

Paint all cut and ground surfaces with zinc rich paint

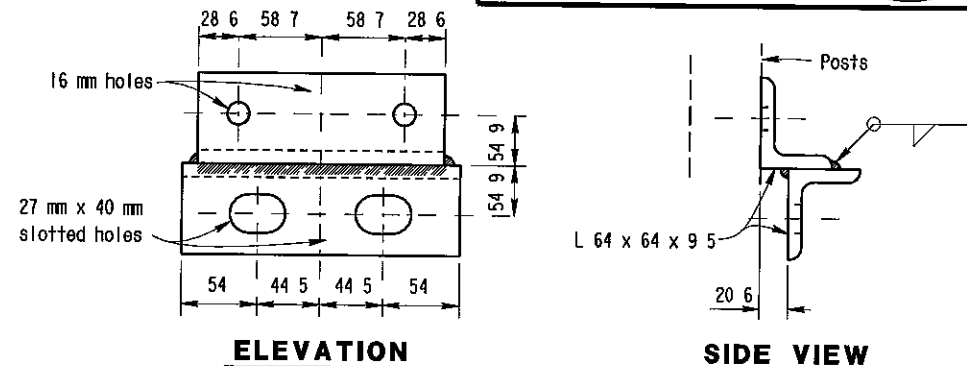
Note C

At intermediate posts only contractor has an alternate of 3 mm x 51 mm strap or 6 4 mm anchor plate with eyebolt

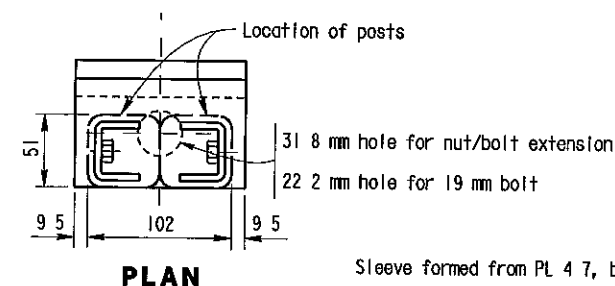


DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	99	23 3/50 7	132	133

10/3/00
REGISTERED CIVIL ENGINEER
11-13-00
PLANS APPROVAL DATE
DIOSDADO ACOBA
No 52003
Exp 12-31-02
CIVIL
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STATE OF CALIFORNIA

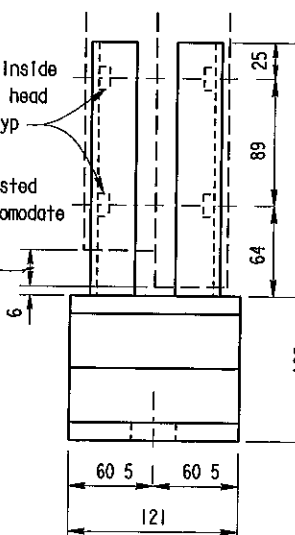


UPPER ANGLE BRACKET

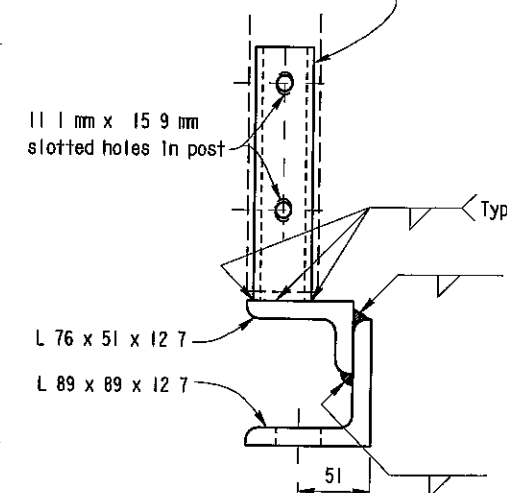


PLAN

Sleeve formed from PL 4 7, bent thus for sliding fit inside of post - Typ

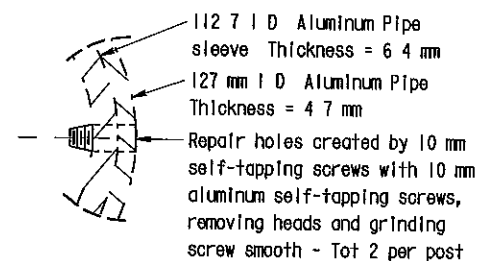


ELEVATION

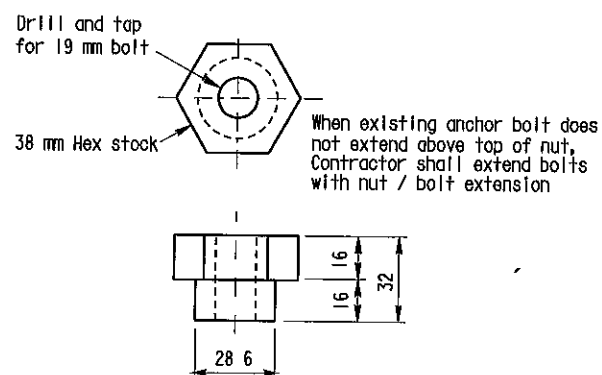


SIDE VIEW

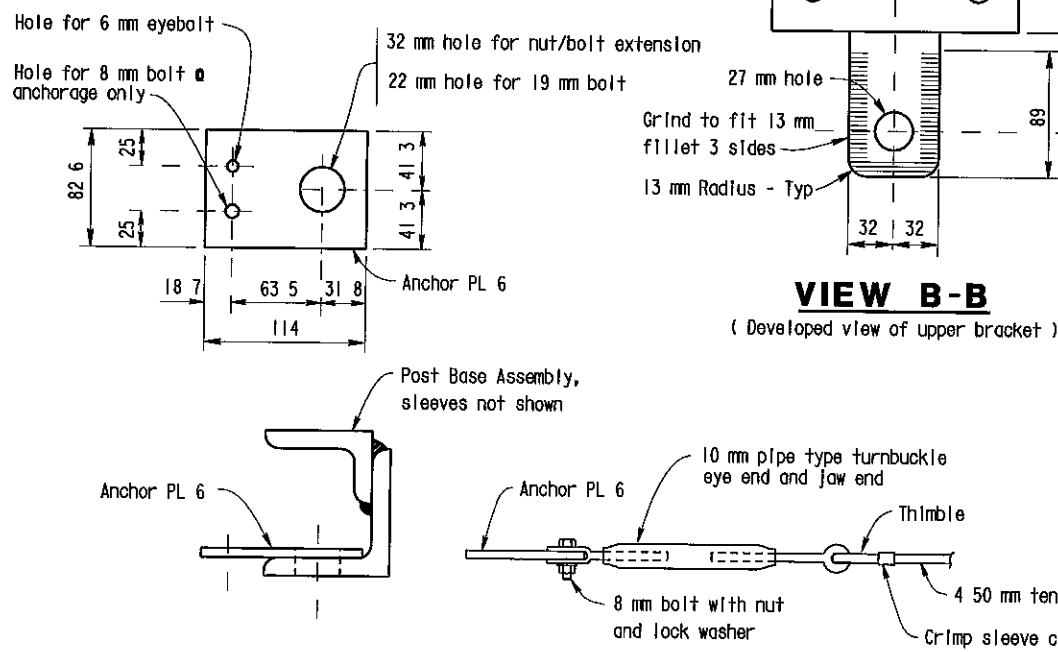
POST BASE ASSEMBLY



REPAIR DETAIL



NUT/BOLT EXTENSION



VIEW B-B

(Developed view of upper bracket)

NO CORRECTIONS AS BUILT

MRC 1-3-03

CORRECTIONS BY John Borquez

CONTRACT NO 06-440104

DATE 11-14-02

BOTTOM ANCHORAGE DETAIL

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

DESIGN	BY D Acoba	5/00	CHECKED F Tannous	5/00
DETAILS	BY K Endow	5/00	CHECKED F Tannous	5/00
QUANTITIES	BY D Acoba	5/00	CHECKED F Tannous	5/00

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ENGINEERING SERVICE CENTER
STRUCTURE MAINTENANCE

BRIDGE NO
Various
KILOMETER POST
Varies

ROUTE 99 BRIDGES
CHAIN LINK RAILING TYPE 6 MOD NO. 3

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 11/6/99)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS

CU 06015
EA 440101

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 10 OF 11



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	99	23 3/50 7	124	133

10/3/00
REGISTERED CIVIL ENGINEER
11-13-00
PLANS APPROVAL DATE
No 52003
Exp 12-31-02
CIVIL
DIOSDADO ACOSA
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet

NOTE
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL

NOTES

- — Indicates existing
- (Indicates approximate location of existing electrolier (To remain)

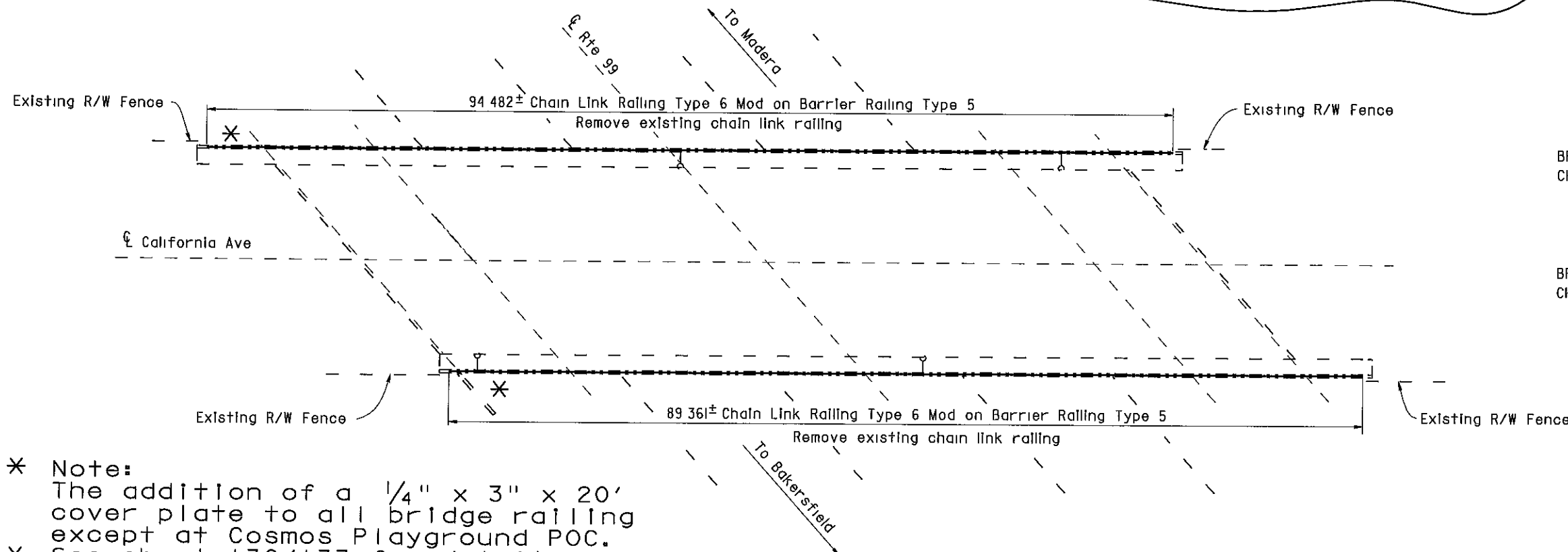
Closure between existing R/W Fence and new Chain Link Railing to be made at all existing locations, see "Chain Link Railing Type 6 Mod No 2" sheet for details

Access opening was fabricated for City access to electroliers

- Existing chain link railing remained and was painted.
- New 1" mesh was installed and replaced the old 2" mesh.
- Existing electroliers remained.

COSMOS PLAYGROUND POC

Br No 42-0215, Fre, KP 31 2
I 250



- * Note:
The addition of a 1/4" x 3" x 20' cover plate to all bridge railing except at Cosmos Playground POC.
- * See sheet 130/133 for details.

CALIFORNIA AVENUE OC

Br No 42-0217, Fre, KP 32 0
I 250



COSMOS PLAYGROUND POC 42-0215

QUANTITIES

BRIDGE REMOVAL (PORTION), LOCATION C
CHAIN LINK RAILING (TYPE 3 MODIFIED) LUMP SUM 209 m

CALIFORNIA AVENUE OC 42-0217

QUANTITIES

BRIDGE REMOVAL (PORTION), LOCATION D
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM 184 m

AS BUILT

MRC 1-3-03

CORRECTIONS BY John Borquez

CONTRACT NO 06-440104

DATE 11-14-02

ALL DIMENSIONS ARE IN
METERS UNLESS OTHERWISE SHOWN

DESIGN	BY	DATE	CHECKED	DATE	LAYOUT	BY	DATE	CHECKED	DATE	STATE OF CALIFORNIA	ENGINEERING SERVICE CENTER	BRIDGE NO	ROUTE 99 BRIDGES
DESIGN	D Acoba	4/00	F Tannous	5/00	LAYOUT	K Endow	4/00	D Acoba	4/00	DEPARTMENT OF TRANSPORTATION	STRUCTURE MAINTENANCE	Various	GENERAL PLAN NO. 2
DETAILS	K Endow	4/00	F Tannous	5/00	SPECIFICATIONS	J Maroney	9/00	J Maroney	9/00	CU 06015	EA 440101	Varies	
QUANTITIES	D Acoba	5/00	F Tannous	5/00									

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 10/6/99)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

5/15/00 7/17/00 9/26/00 10/3/00

SHEET 2 OF 11



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	99	23 3/50 7	125	133

10/3/00
REGISTERED CIVIL ENGINEER
11-13-00
PLANS APPROVAL DATE
DIOSDADO ACOPA
No. 52003
EXP. 12-31-02
CIVIL
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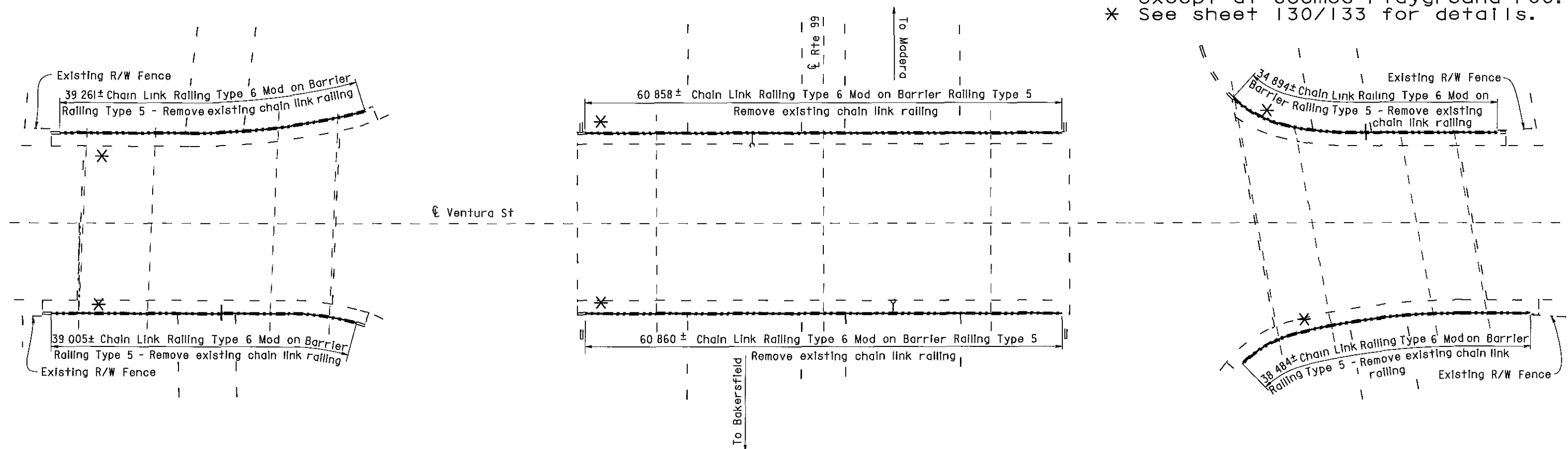
VENTURA STREET OC 42-0158K QUANTITIES	LUMP SUM
BRIDGE REMOVAL (PORTION), LOCATION E CHAIN LINK RAILING (TYPE 6 MODIFIED)	78 m
VENTURA STREET OC 42-0158E QUANTITIES	LUMP SUM
BRIDGE REMOVAL (PORTION), LOCATION F CHAIN LINK RAILING (TYPE 6 MODIFIED)	122 m
VENTURA STREET OC 42-0158S QUANTITIES	LUMP SUM
BRIDGE REMOVAL (PORTION), LOCATION G CHAIN LINK RAILING (TYPE 6 MODIFIED)	74 m

NOTES

- — Indicates existing
- C Indicates approximate location of existing electrolter (To remain)
- ↓ Indicates approximate location of remove and reinstall sign on new post
- Closure between existing R/W Fence and new Chain Link Railing to be made at all existing locations, see "Chain Link Railing Type 6 Mod No 2" sheet for details

NOTE
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

- * Note:
The addition of a 1/4" x 3" x 20' cover plate to all bridge railing except at Cosmos Playground POC.
- * See sheet 130/133 for details.



Br No 42-0158K

Bridges 42-0158K and 42-0158S were both painted with Color No. 20109 - "Deep red".

Br No. 42-0158E

VENTURA STREET OC

Fre, KP 32 5
1 250

AS BUILT

MRC 1-3-03

CORRECTIONS BY John Borquez
CONTRACT NO 06-440104
DATE 11-14-02

Br No 42-0158S

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

DESIGN	BY	DATE	CHECKED	DATE	LAYOUT	BY	DATE	CHECKED	DATE	STATE OF CALIFORNIA	ENGINEERING SERVICE CENTER	BRIDGE NO	ROUTE 99 BRIDGES
DESIGN ENGINEER	D Acoba	4/00	F Tannous	5/00	LAYOUT	K Endow	4/00	D Acoba	4/00	DEPARTMENT OF TRANSPORTATION	STRUCTURE MAINTENANCE	Various	GENERAL PLAN NO. 3
DETAILS	K Endow	4/00	F Tannous	5/00	SPECIFICATIONS	J Maroney	9/00	J Maroney	9/00	CU 06015	EA 440101	Varies	
QUANTITIES	D Acoba	5/00	F Tannous	5/00						FILE => nagp3.dgn			

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 11/06/99)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS

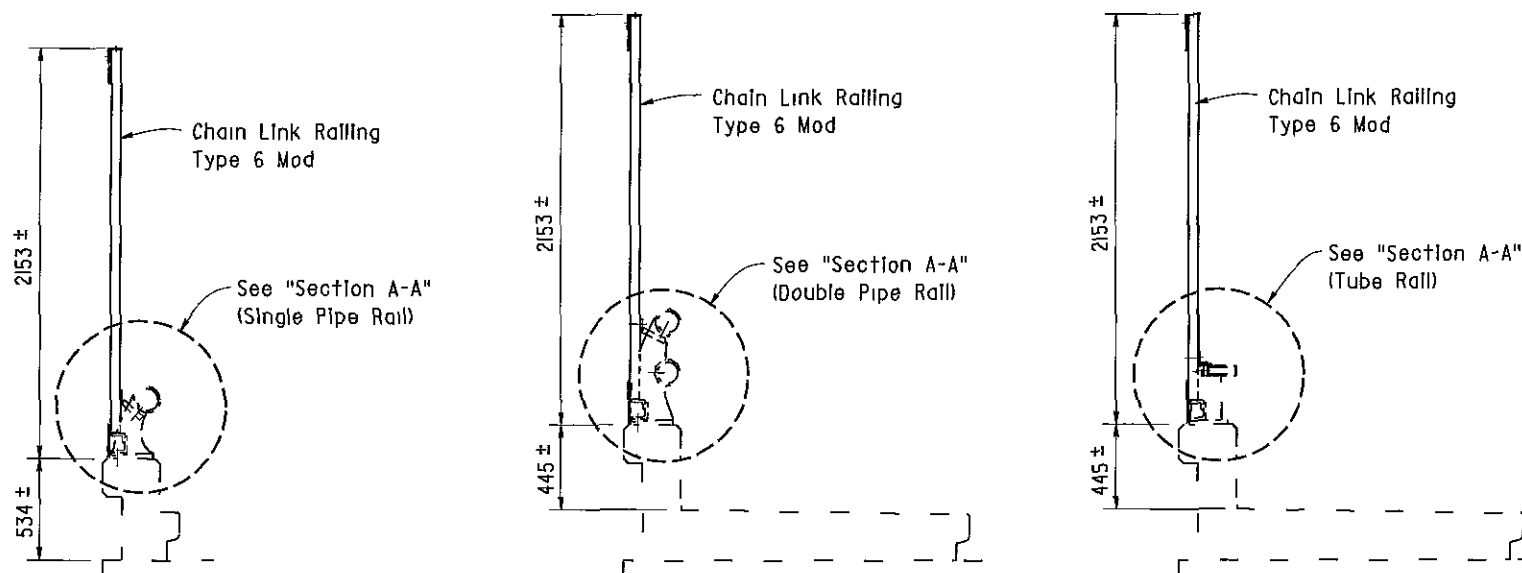
REVISION DATES (PRELIMINARY STAGE ONLY)

5/15/00 11/17/00 9/28/00 10/3/00

SHEET 3 OF 11

NO CORRECTIONS AS BUILT

MRC 1-3-03
CORRECTIONS BY John Borquez
CONTRACT NO 06-440104
DATE 11-14-02



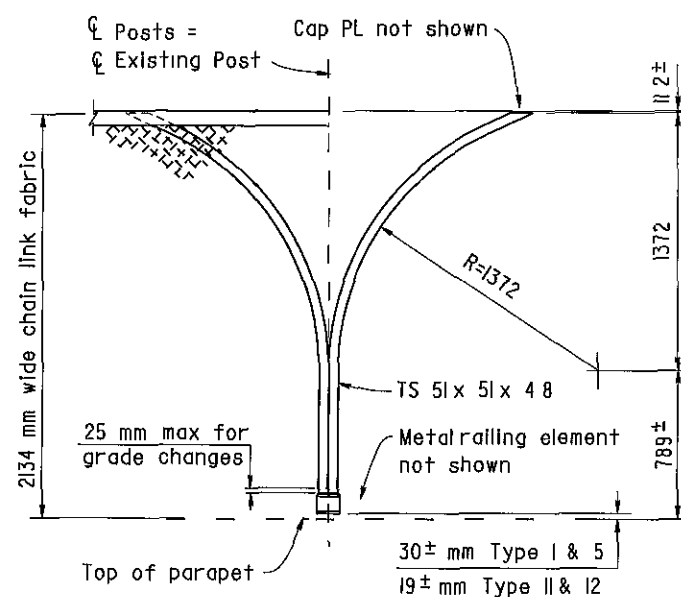
TYPE I

TYPE 5

TYPE 12

BARRIER RAILING SECTIONS

Existing chain link railing not shown
1 20

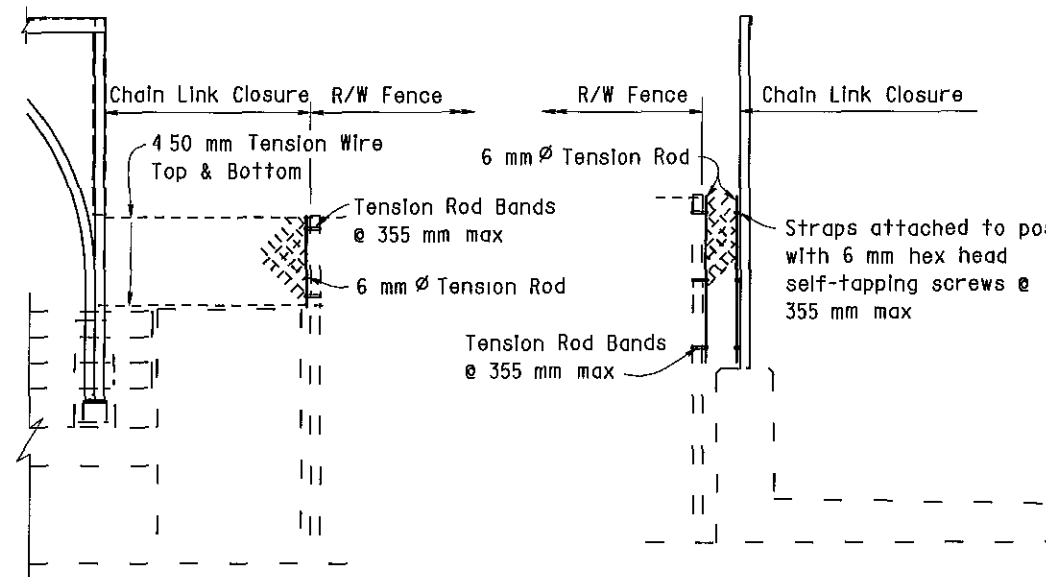


PART OUTSIDE ELEVATION

Note For details and notes not shown, see "Chain Link Railing Type 6 Mod No 1" sheet
1 10

TYPE A NORTH AVE OC - 2 Locations
CHURCH AVE OC - 4 Locations
CALIFORNIA AVE OC - 4 Locations
VENTURA ST OC - 4 Locations

TYPE B KERN ST OC - 4 Locations
TULARE ST OC - 4 Locations
EL DORADO ST OC - 4 Locations



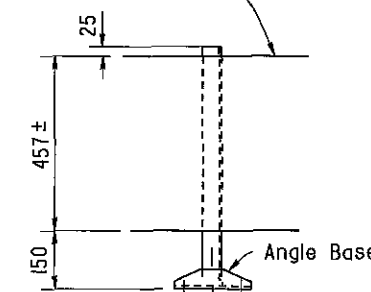
TYPE A

TYPE B

R/W FENCE CONNECTION

1 10

Remove existing sign panels and reinstall on new post

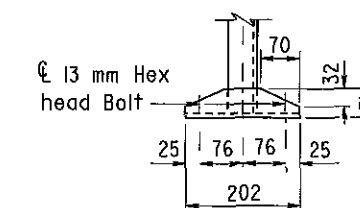


TULARE ST OC

4 Locations

Note

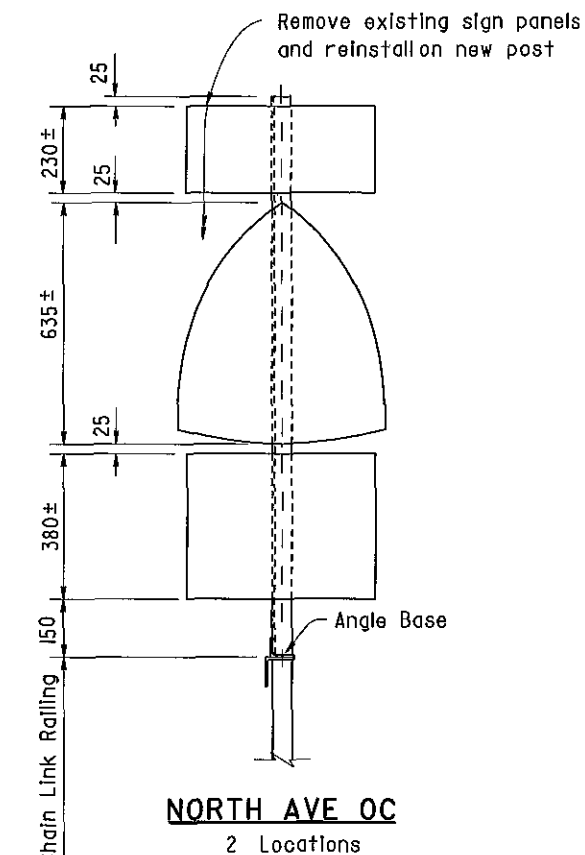
Reinstall signs at approximately the same location on chain link railing as existing



ANGLE BASE

Note

Hot dip galvanize sign post after fabrication
Field drilled holes to be painted with zinc rich paint



NORTH AVE OC

2 Locations

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

DESIGN	BY D Acoba	5/00	CHECKED F Tannous	5/00
DETAILS	BY K Endow	5/00	CHECKED F Tannous	5/00
QUANTITIES	BY D Acoba	5/00	CHECKED F Tannous	5/00

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ENGINEERING SERVICE CENTER
STRUCTURE MAINTENANCE

BRIDGE NO
Various
KILOMETER POST
Varies

ROUTE 99 BRIDGES
CHAIN LINK RAILING TYPE 6 MOD NO. 2



NOTE
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ANY MATERIAL

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	99	23 3/50 7	123	133

10/3/00
REGISTERED CIVIL ENGINEER

11-13-00
PLANS APPROVAL DATE

DIOSDADO ACOPA
No 52003
Exp 12-31-02
CIVIL
STATE OF CALIFORNIA

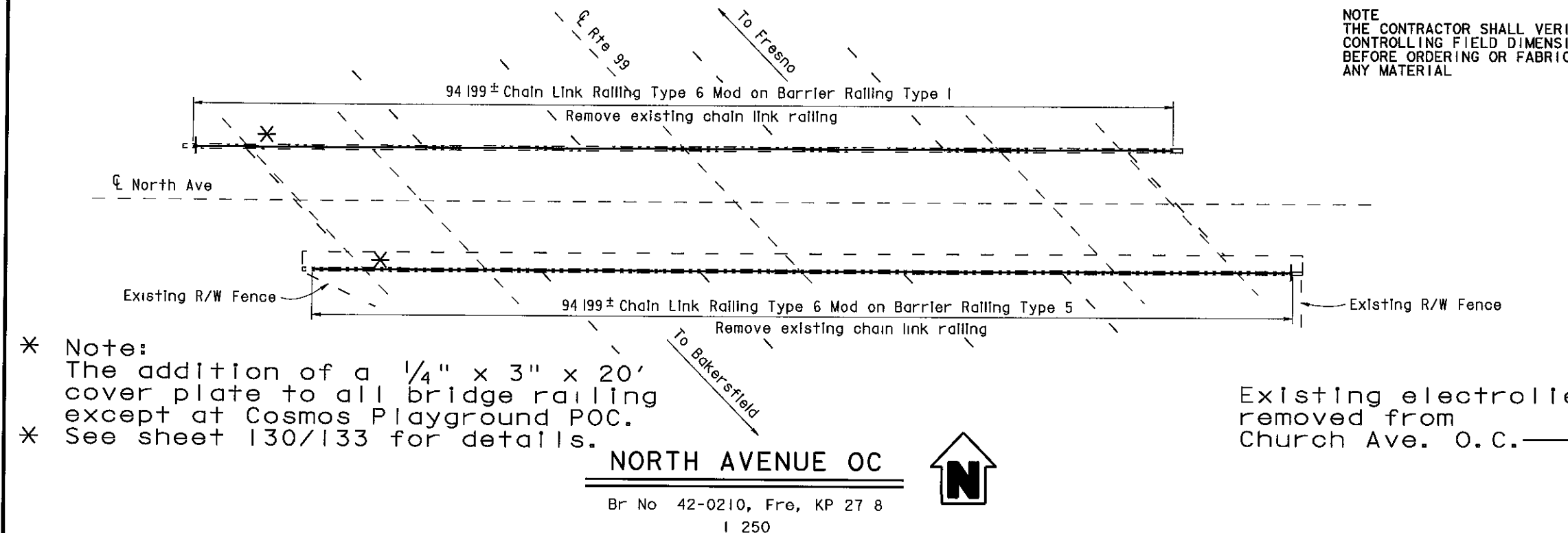
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NOTES

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- C Indicates approximate location of existing electroliner (to remain)
- ↓ Indicates approximate location of remove and reinstall sign on new post
- Closure between existing R/W Fence and new Chain Link Railing to be made at all existing locations, see "Chain Link Railing Type 6 Mod No 2" sheet for details

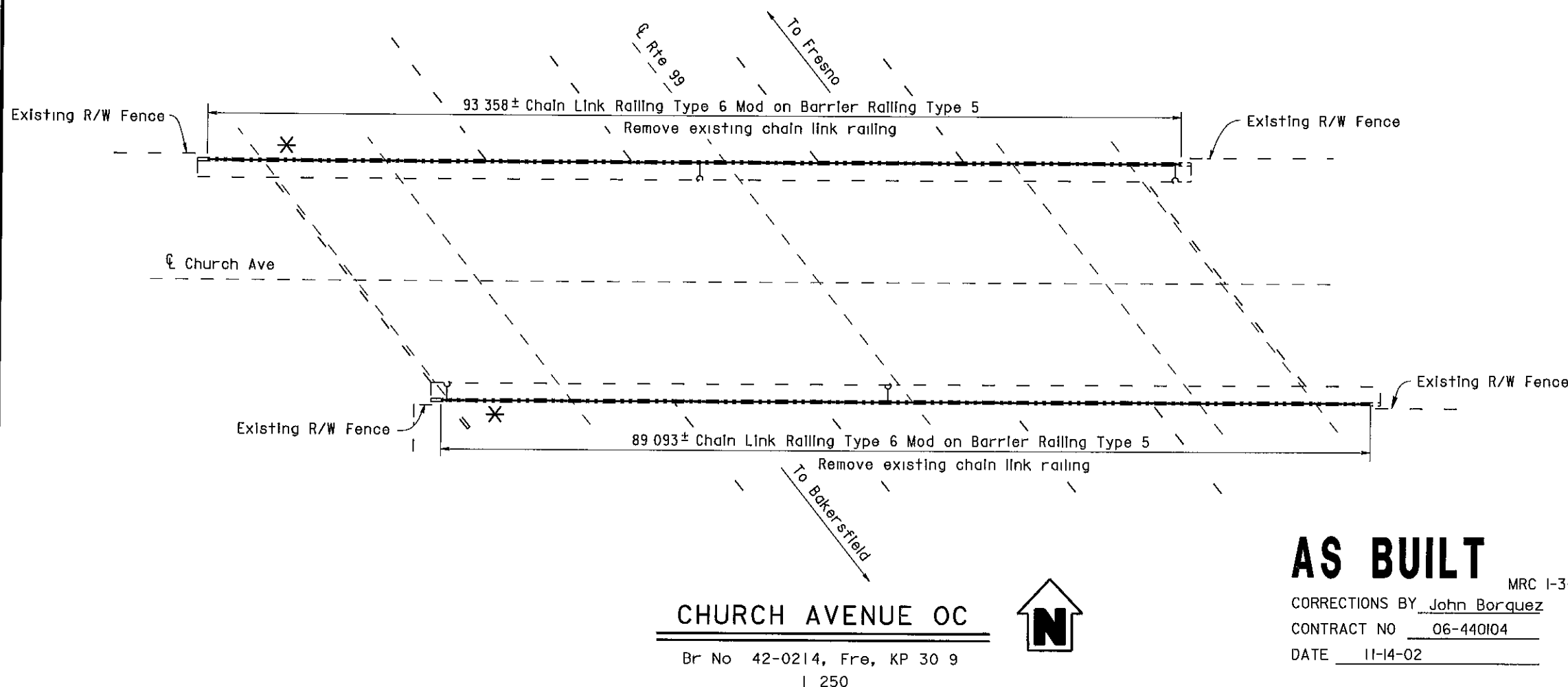
INDEX TO PLANS

SHEET NO	TITLE
1	GENERAL PLAN NO 1
2	GENERAL PLAN NO 2
3	GENERAL PLAN NO 3
4	GENERAL PLAN NO 4
5	GENERAL PLAN NO 5
6	GENERAL PLAN NO 6
7	GENERAL PLAN NO 7
8	CHAIN LINK RAILING TYPE 6 MOD NO 1
9	CHAIN LINK RAILING TYPE 6 MOD NO 2
10	CHAIN LINK RAILING TYPE 6 MOD NO 3
11	CHAIN LINK RAILING TYPE 3 MOD



- * Note:
The addition of a 1/4" x 3" x 20' cover plate to all bridge railing except at Cosmos Playground POC.
- * See sheet 130/133 for details.

Existing electroliners removed from Church Ave. O.C.



AS BUILT

MRC 1-3-03

CORRECTIONS BY John Borquez

CONTRACT NO 06-440104

DATE 11-14-02

NORTH AVENUE OC 42-0210	QUANTITIES	
BRIDGE REMOVAL (PORTION), LOCATION A	LUMP SUM	
CHAIN LINK RAILING (TYPE 6 MODIFIED)	189 m	
CHURCH AVENUE OC 42-0214	QUANTITIES	
BRIDGE REMOVAL (PORTION), LOCATION B	LUMP SUM	
CHAIN LINK RAILING (TYPE 6 MODIFIED)	183 m	

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

DESIGN	BY	CHECKED	DATE	LAYOUT	BY	CHECKED	DATE	STATE OF CALIFORNIA	ENGINEERING SERVICE CENTER	BRIDGE NO	ROUTE 99 BRIDGES
DESIGN ENGINEER	D Acoba	F Tannous	4/00	LAYOUT	K Endow	D Acoba	4/00	DEPARTMENT OF TRANSPORTATION	STRUCTURE MAINTENANCE	Various	GENERAL PLAN NO. 1
	K Endow	F Tannous	4/00								
	D Acoba	F Tannous	5/00		J Maroney	J Maroney	9/00				

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 10/6/99)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

CU 06015
EA 440101

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REVISION DATES (PRELIMINARY STAGE ONLY)

5/15/00 7/17/00 9/28/00 10/3/00

SHEET 1 OF 11

Note

Remove existing Chain Link Railing Type 7,
core 152 mm x 230 mm deep hole at existing
post location for new posts

132 582 ± Chain Link Railing Type 6 Mod on Concrete Barrier Type 26



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	99	23 3/50 7	129	133

10/3/00
REGISTERED CIVIL ENGINEER
11-13-00
PLANS APPROVAL DATE
No 52003
Exp 12-31-02
CIVIL
DIOSDADO ACOPA
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NOTES

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- (Indicates approximate location of
existing electroliner (To remain)

- * Note:
The addition of a 1/4" x 3" x 20'
cover plate to all bridge railing
except at Cosmos Playground POC.
- * See sheet 130/133 for details.

ASHLAN AVENUE OC

Br No 42-0140, Fre, KP 42 8
I 250



AS BUILT

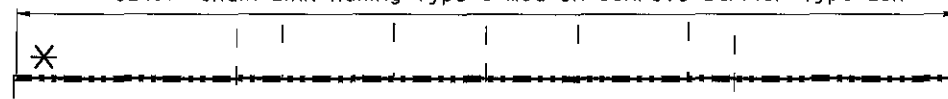
MRC 1-3-03

CORRECTIONS BY John Borquez

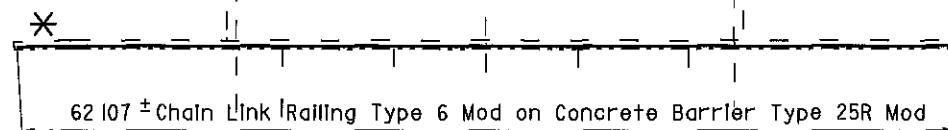
CONTRACT NO 06-440104

DATE 11-14-02

62 107 ± Chain Link Railing Type 6 Mod on Concrete Barrier Type 26R



℄ Pacific Ave



To Fresno

Note

Remove existing Chain Link Railing Type 7
core 152 mm x 230 mm deep hole at existing
post location for new posts

PACIFIC AVENUE OC

Br No 42-0189, Fre, KP 36 0
I 250



ASHLAN AVENUE OC 42-0140
QUANTITIES

BRIDGE REMOVAL (PORTION), LOCATION O
CHAIN LINK RAILING (TYPE 6 MODIFIED)

LUMP SUM
133 m

PACIFIC AVENUE OC 42-0189
QUANTITIES

BRIDGE REMOVAL (PORTION), LOCATION P
CHAIN LINK RAILING (TYPE 6 MODIFIED)

LUMP SUM
124 m

ALL DIMENSIONS ARE IN
METERS UNLESS OTHERWISE SHOWN

 DESIGN ENGINEER 10/3/00	DESIGN	BY D Acoba	4/00	CHECKED F Tannous	5/00	LAYOUT	BY K Endow	4/00	CHECKED D Acoba	4/00	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION ENGINEERING SERVICE CENTER STRUCTURE MAINTENANCE	BRIDGE NO	Various		ROUTE 99 BRIDGES GENERAL PLAN NO. 7
	DETAILS	BY K Endow	4/00	CHECKED F Tannous	5/00	SPECIFICATIONS	BY J Maroney	9/00	PLANS AND SPECS COMPARED J Maroney	9/00		KILOMETER POST	Varies		
	QUANTITIES	BY D Acoba	5/00	CHECKED F Tannous	5/00										

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 11/06/99)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS

CU 06015
EA 440101

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SHEET 7 OF 11



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
06	Fre	99	23 3/50 7	128	133

REGISTERED CIVIL ENGINEER
10/3/00
11-13-00
PLANS APPROVAL DATE
No 52003
Exp 12-31-02
CIVIL
STATE OF CALIFORNIA
DIOSDADO ACOPA

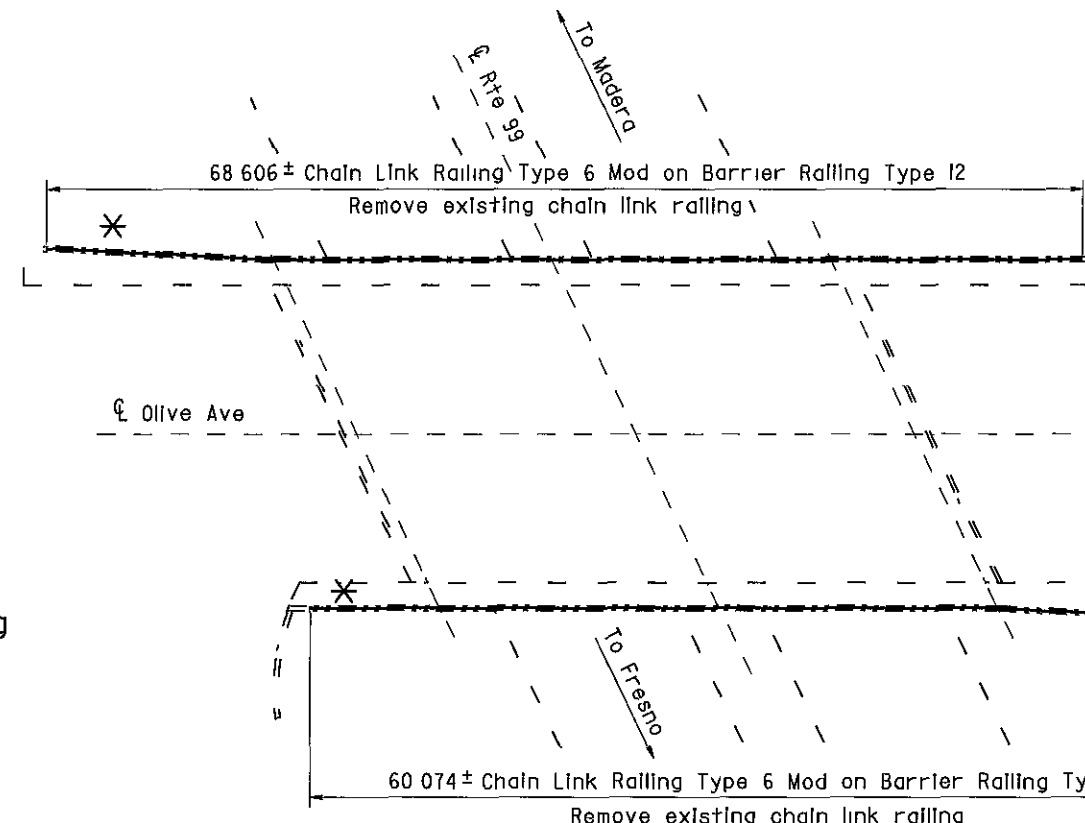
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- — Indicates existing
- () Indicates approximate location of existing electroliter (To remain)

- * Note:
The addition of a 1/4" x 3" x 20' cover plate to all bridge railing except at Cosmos Playground POC.
- * See sheet 130/133 for details.



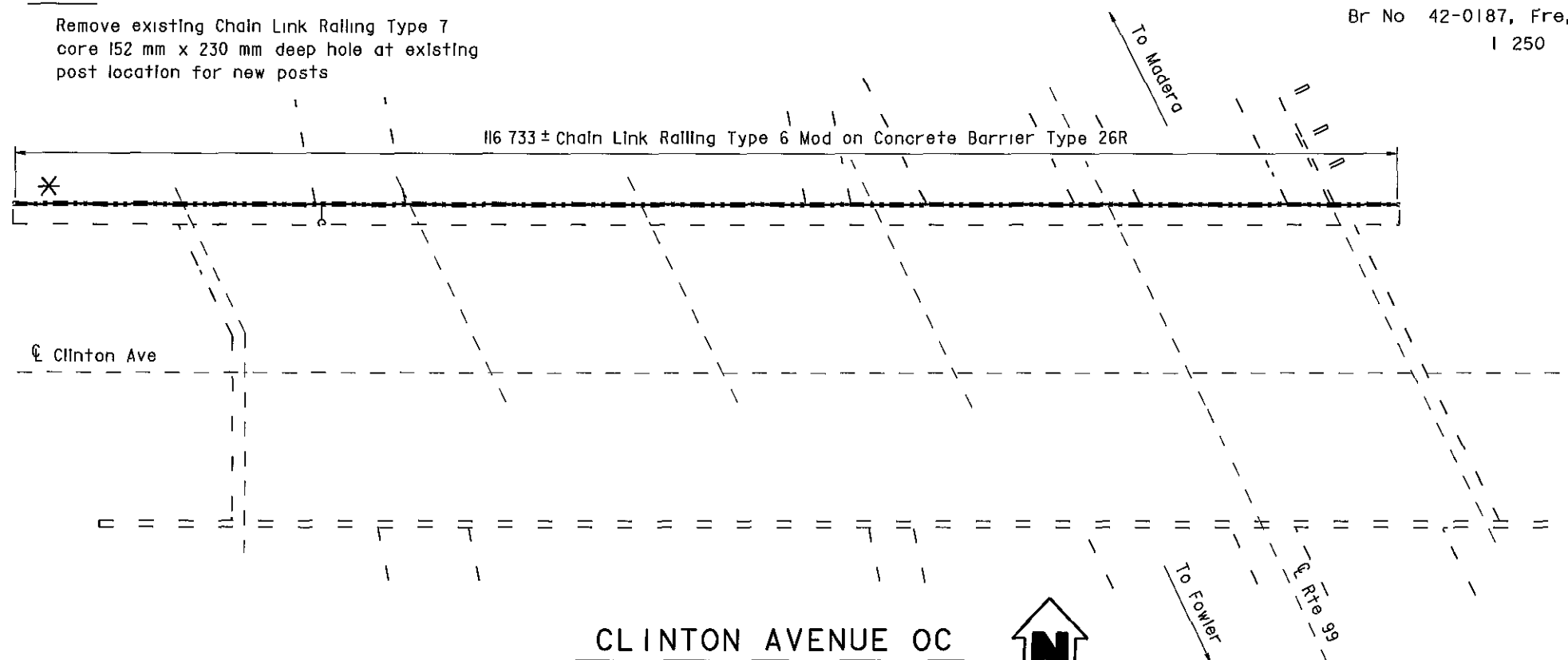
OLIVE AVENUE OC

Br No 42-0187, Fre, KP 37 5
I 250



Note

Remove existing Chain Link Railing Type 7
core 152 mm x 230 mm deep hole at existing
post location for new posts



CLINTON AVENUE OC

Br No 42-0183, Fre, KP 39 3
I 250

OLIVE AVENUE OC 42-0187 QUANTITIES

BRIDGE REMOVAL (PORTION), LOCATION M
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM
129 m

CLINTON AVENUE OC 42-0183 QUANTITIES

BRIDGE REMOVAL (PORTION), LOCATION N
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM
116 m

AS BUILT

MRC 1-3-03

CORRECTIONS BY John Borquez

CONTRACT NO 06-440104

DATE 11-14-02

ALL DIMENSIONS ARE IN
METERS UNLESS OTHERWISE SHOWN

 DESIGN ENGINEER 10/3/00	DESIGN	BY D Acoba	4/00	CHECKED F Tannous	5/00	LAYOUT	BY K Endow	4/00	CHECKED D Acoba	4/00	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	ENGINEERING SERVICE CENTER STRUCTURE MAINTENANCE	BRIDGE NO	Various	ROUTE 99 BRIDGES GENERAL PLAN NO. 6
	DETAILS	BY K Endow	4/00	CHECKED F Tannous	5/00	SPECIFICATIONS	BY J Maroney	9/00	PLANS AND SPECS COMPARED J Maroney	9/00			KILOMETER POST	Varies	
	QUANTITIES	BY D Acoba	5/00	CHECKED F Tannous	5/00	ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS	0 10 20 30 40 50 60 70 80 90 100	CU 06015 EA 440101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	5/25/00 7/17/00 9/26/00 10/3/00			SHEET 6 OF 11		

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 10/6/99)

FILE => napp6.dgn



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	99	23 3/50 7	127	133

10/3/00
REGISTERED CIVIL ENGINEER
DIOSDADO ACOBA
No 52003
Exp 12-31-02
CIVIL
STATE OF CALIFORNIA

11-13-00
PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet

NOTE
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

NOTES

-- Indicates existing

(Indicates approximate location of existing electrolizer (To remain)

Closure between existing R/W Fence and new Chain Link Railing to be made at all existing locations, see "Chain Link Railing Type 6 Mod No 2" sheet for details

- * Note:
The addition of a 1/4" x 3" x 20' cover plate to all bridge railing except at Cosmos Playground POC.
- * See sheet 130/133 for details.

AS BUILT

MRC 1-3-03

CORRECTIONS BY John Borquez

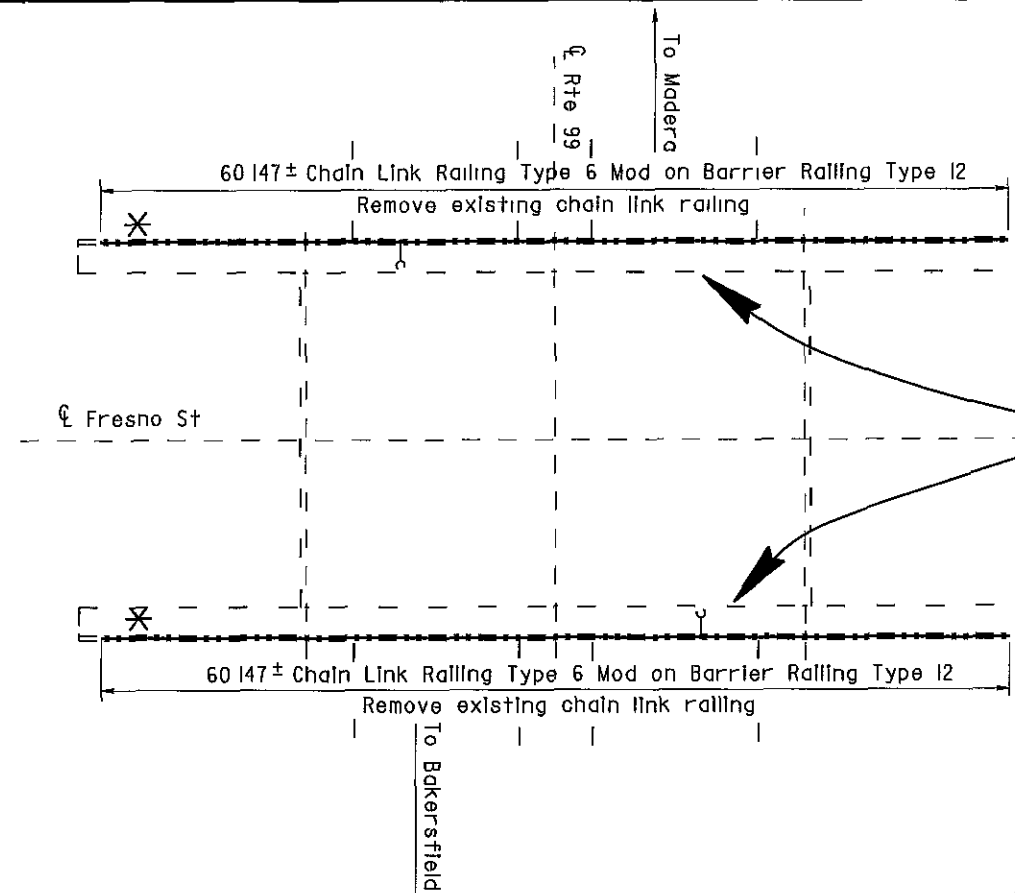
CONTRACT NO 06-440104

DATE 11-14-02

FRESNO STREET OC 42-0170
QUANTITIES
BRIDGE REMOVAL (PORTION), LOCATION J
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM 120 m

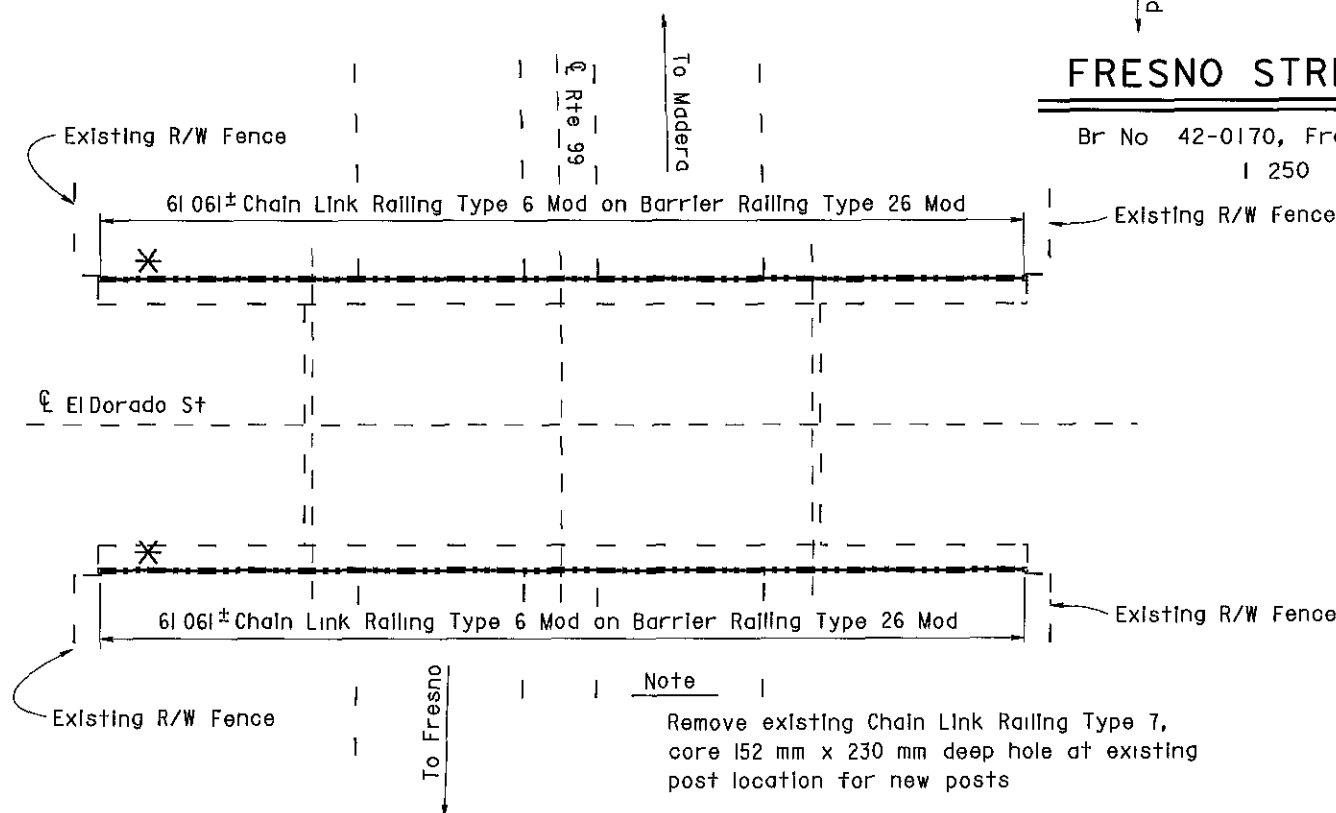
EL DORADO STREET OC 42-0184
QUANTITIES
BRIDGE REMOVAL (PORTION), LOCATION K
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM 122 m

BELMONT AVENUE OC 42-0186
QUANTITIES
BRIDGE REMOVAL (PORTION), LOCATION L
CHAIN LINK RAILING (TYPE 6 MODIFIED) LUMP SUM 138 m



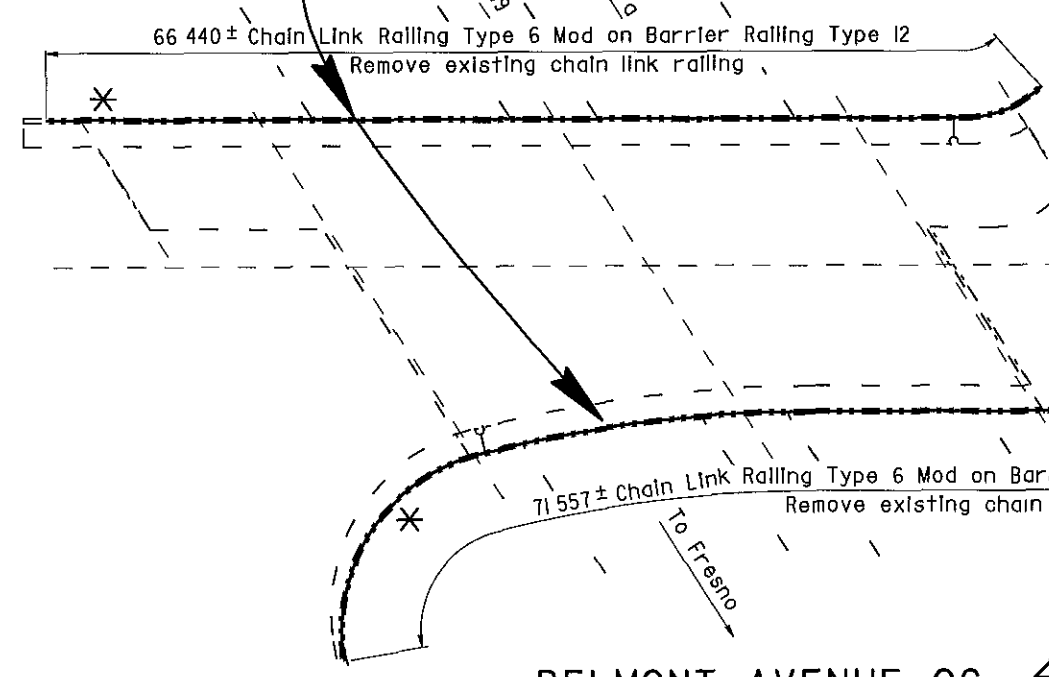
FRESNO STREET OC

Br No 42-0170, Fre, KP 33 3
I 250



EL DORADO STREET OC

Br No 42-0184, Fre, KP 34 6
I 250



BELMONT AVENUE OC

Br No 42-0186, Fre, KP 36 5
I 250

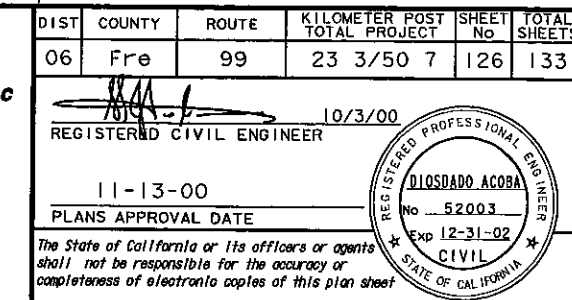


ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

 DESIGN ENGINEER 10/3/00	DESIGN	BY D Acoba	4/00	CHECKED F Tannous	5/00	LAYOUT	BY K Endow	4/00	CHECKED D Acoba	4/00	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	ENGINEERING SERVICE CENTER STRUCTURE MAINTENANCE	BRIDGE NO	Various	ROUTE 99 BRIDGES GENERAL PLAN NO. 5	
	DETAILS	BY K Endow	4/00	CHECKED F Tannous	5/00	SPECIFICATIONS	BY J Maroney	9/00	PLANS AND SPECS COMPARED	J Maroney			9/00	KILOMETER POST		Varies
	QUANTITIES	BY D Acoba	5/00	CHECKED F Tannous	5/00											
	ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS												CU 06015 EA 440101	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 11/06/99)

FILE => nsgp5.dgn

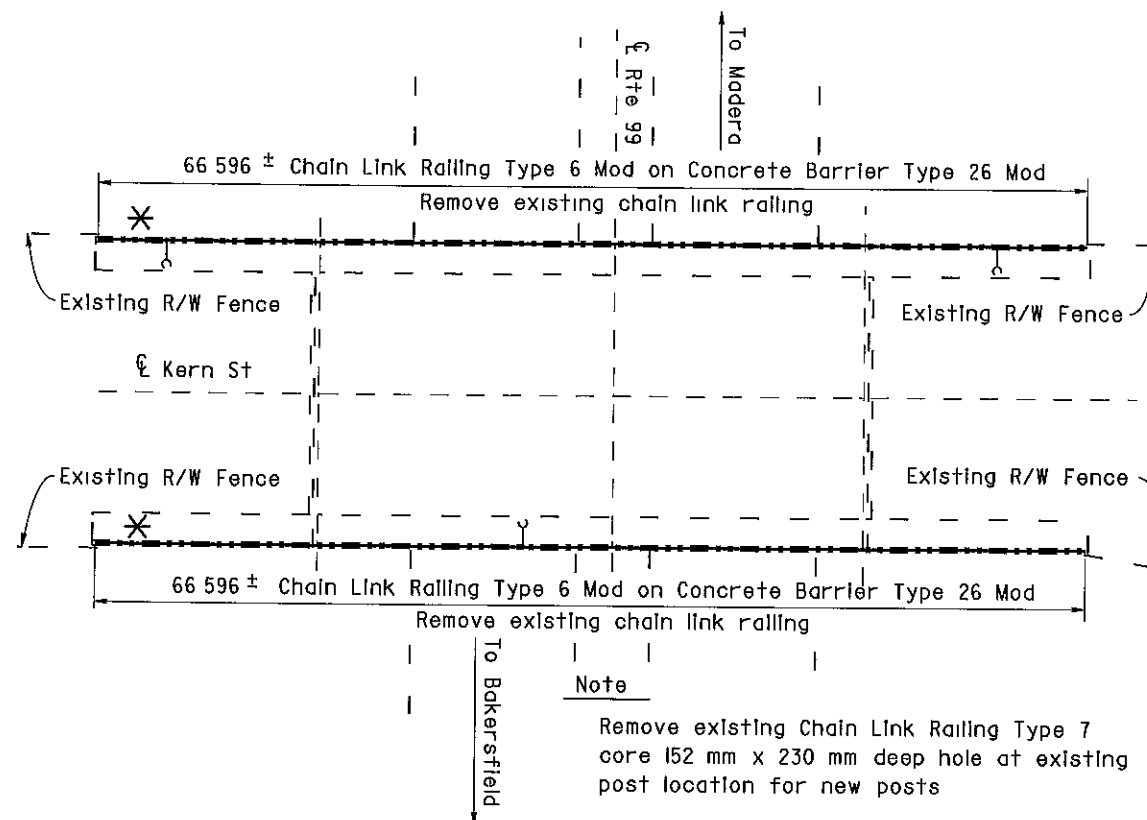


NOTE
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL

NOTES

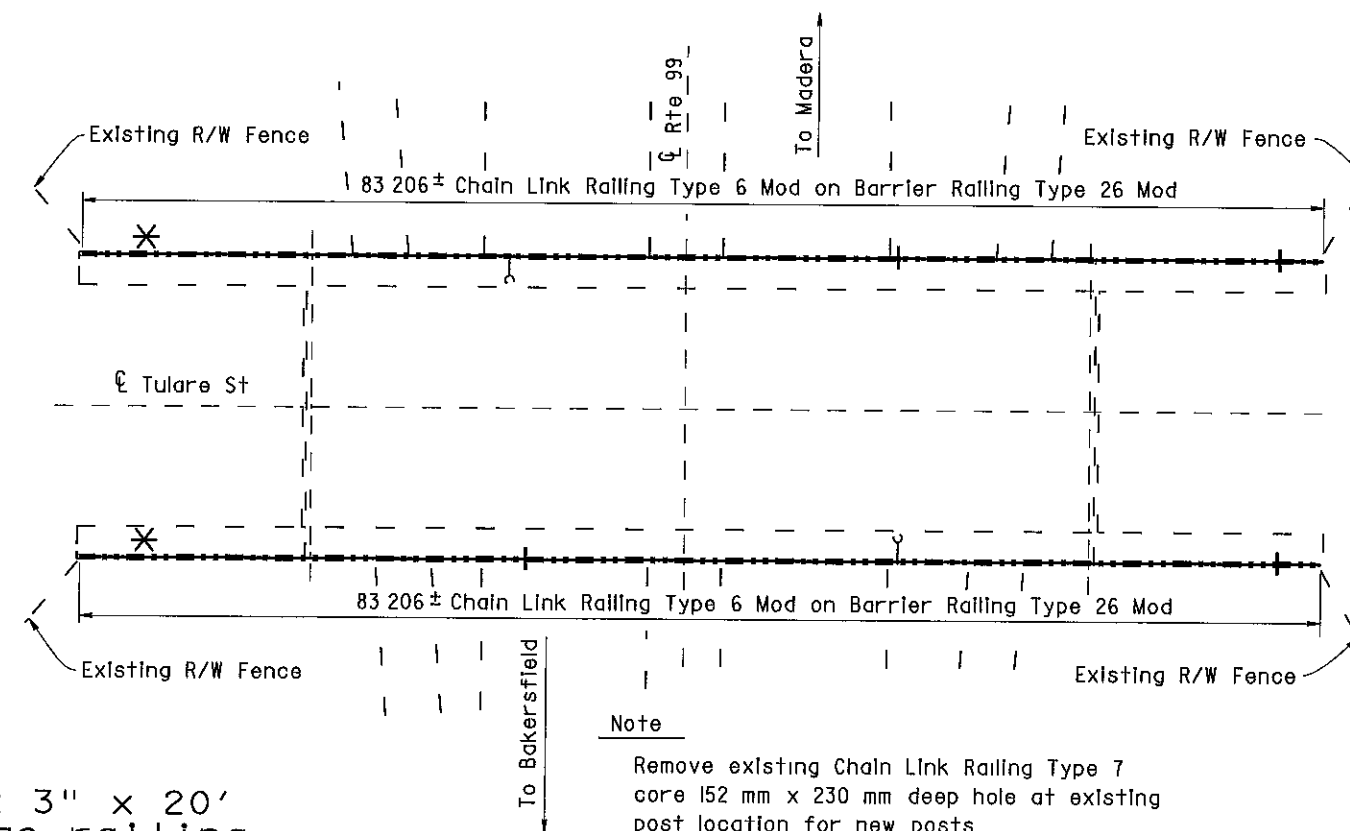
- - Indicates existing
- C Indicates approximate location of existing electrolifer (To remain)
- J
- I Indicates approximate location of remove and reinstall sign on new post

Closure between existing R/W Fence and new Chain Link Railing to be made at all existing locations, see "Chain Link Railing Type 6 Mod No 2" sheet for details



KERN STREET OC

Br No 42-0159, Fre, KP 33 0
1 250





TULARE STREET OC

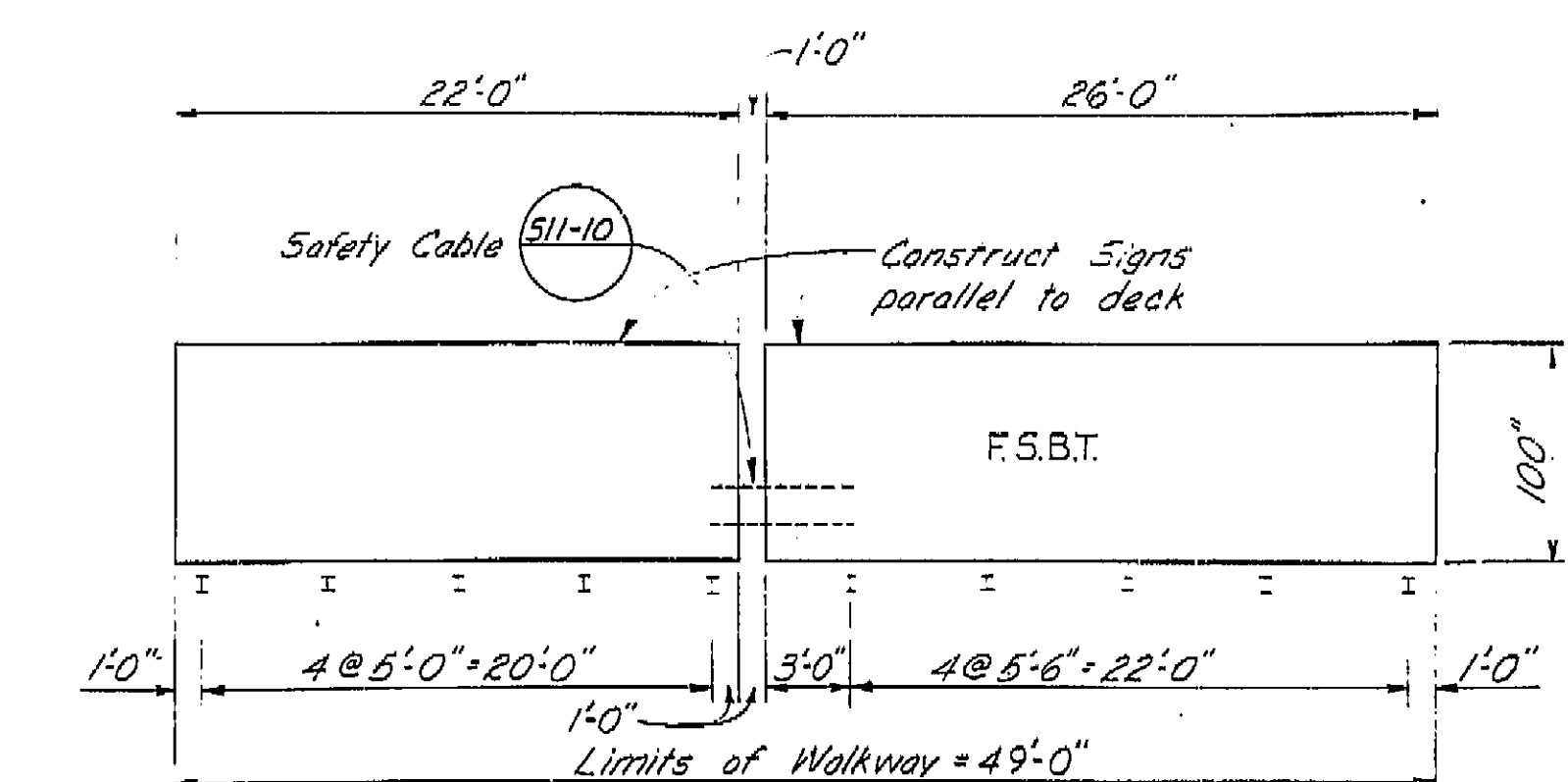
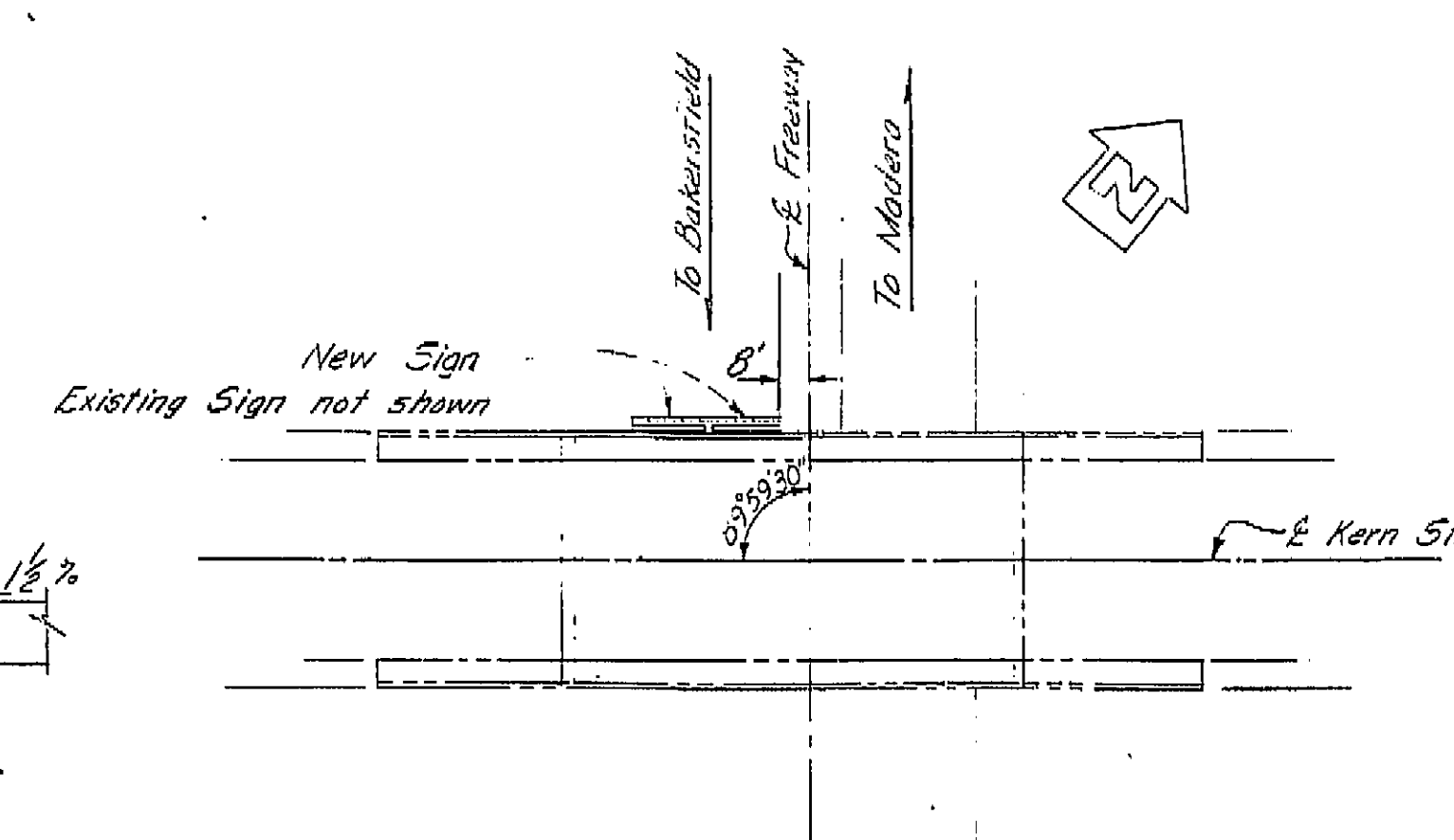
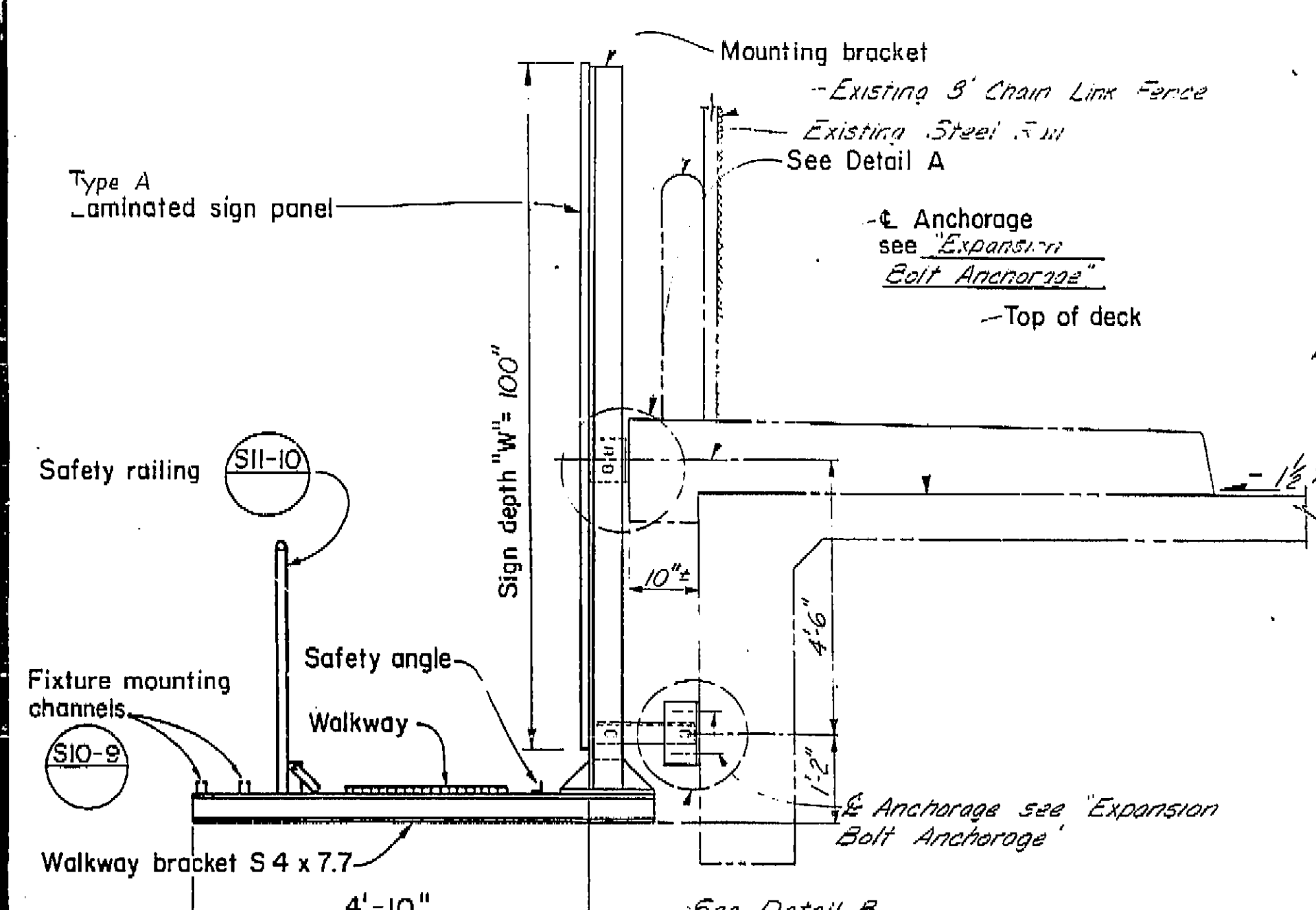
Br No 42-0169, Fre, KP 33 2
| 250

- * Note:
The addition of a 1/4" x 3" x 20'
cover plate to all bridge railing
except at Cosmos Playground POC.
- * See sheet 130/133 for details.

AS BUILT MRC 1-3-03
CORRECTIONS BY John Borquez
CONTRACT NO 06-440104
DATE 11-14-02

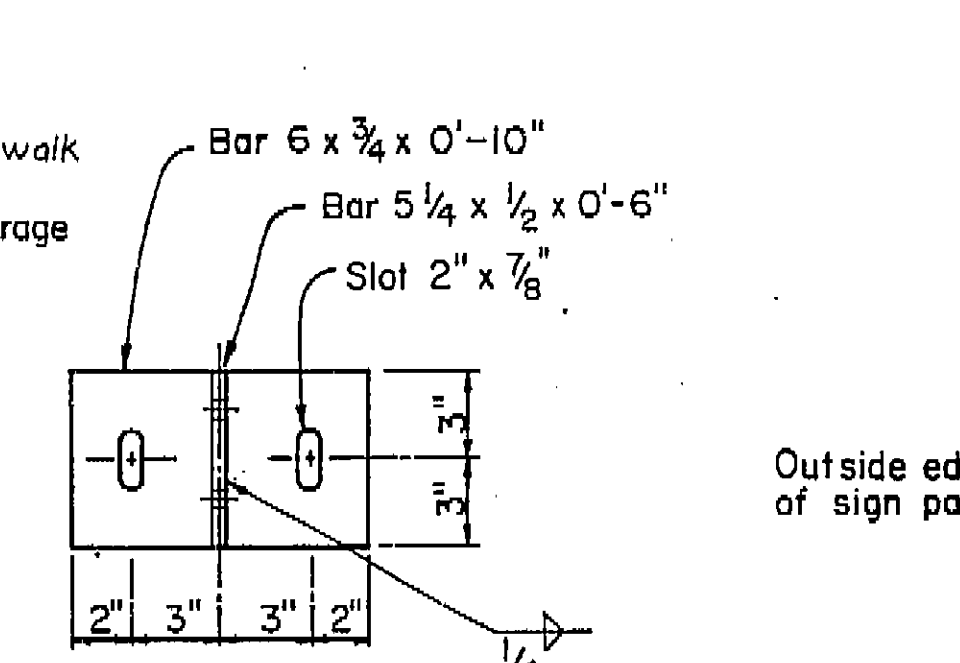
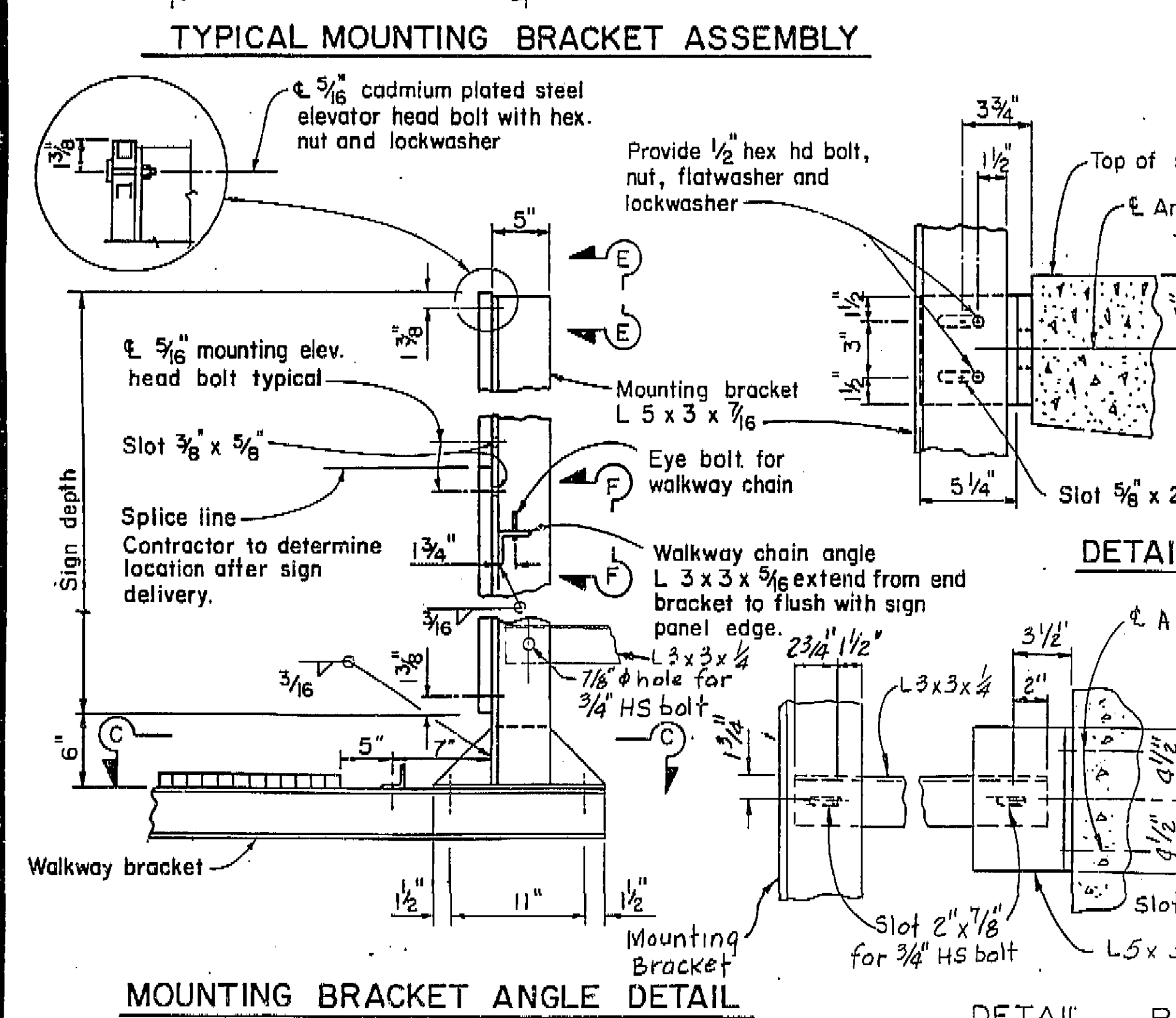
ALL DIMENSIONS ARE IN
METERS UNLESS OTHERWISE SHOWN

<div> 10/3/00 DESIGN ENGINEER</div>	DESIGN	BY D Acoba	4/00	CHECKED F Tannous	5/00	LAYOUT	BY K Endow	4/00	CHECKED D Acoba	4/00	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	ENGINEERING SERVICE CENTER STRUCTURE MAINTENANCE	BRIDGE NO	METERS UNLESS OTHERWISE SHOWN															
	DETAILS	BY K Endow	4/00	CHECKED F Tannous	5/00	SPECIFICATIONS	BY J Maroney	9/00	PLANS AND SPECS COMPARED J Maroney 9/00	Various			ROUTE 99 BRIDGES																
	QUANTITIES	BY D Acoba	5/00	CHECKED F Tannous	5/00					KILOMETER POST			GENERAL PLAN NO. 4																
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (METRIC) (REV 110/6/99)												ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS								CU 06015 EA 440101		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)				SHEET 4 OF 11	
																		5/16/00 7/27/00 9/26/00 10/3/00											

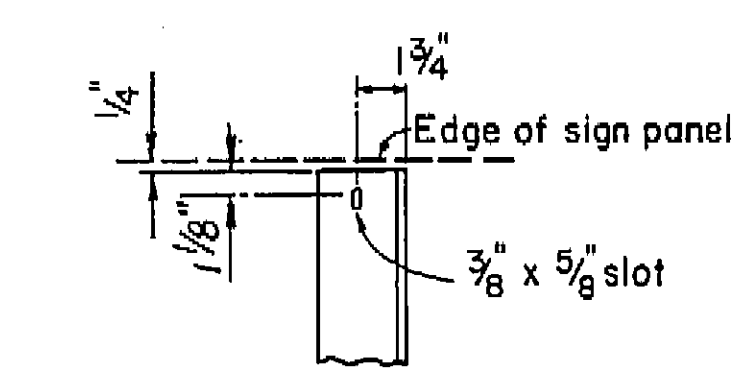


LOCATION PLAN
Scale 1"=40'
Br. No. 42-159

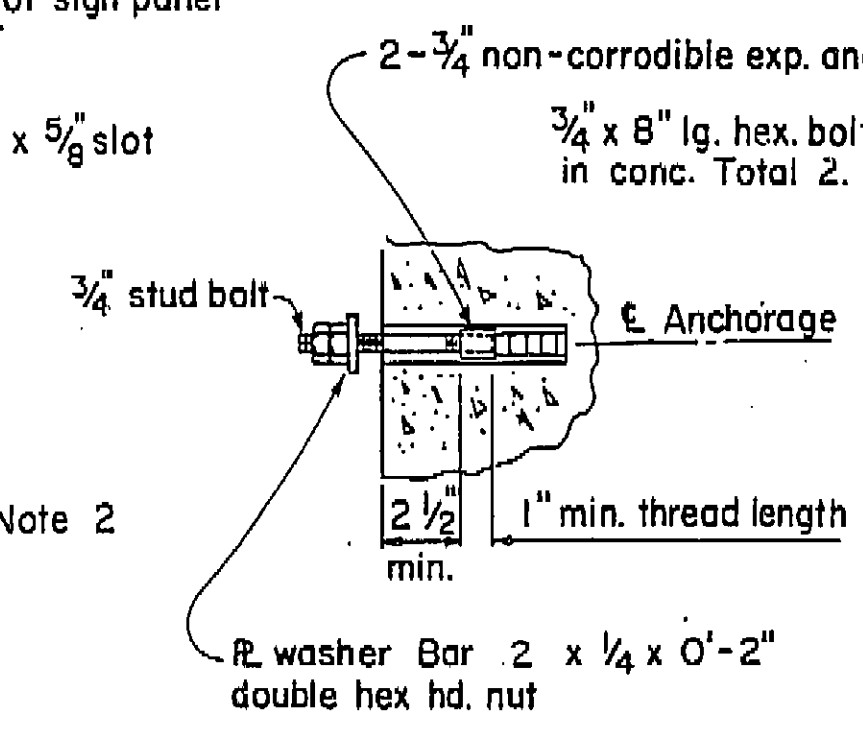
MOUNTING BRACKET ASSEMBLY SPACING



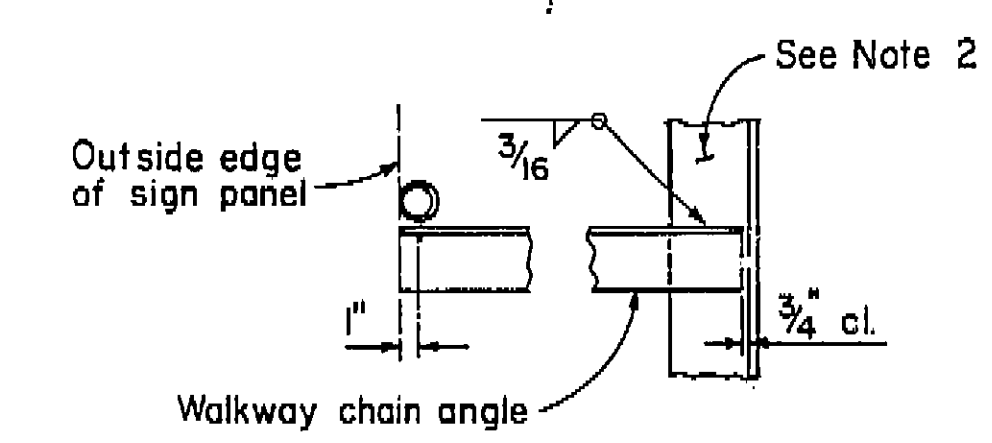
DETAIL A



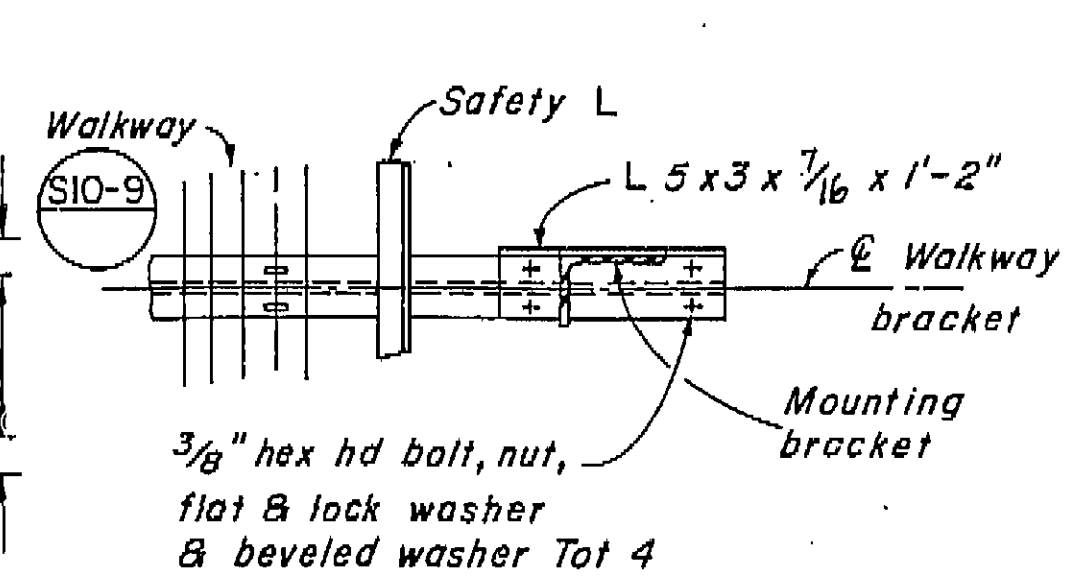
SECTION E-E



EXPANSION BOLT ANCHORAGE



SECTION F - F



SECTION C-C

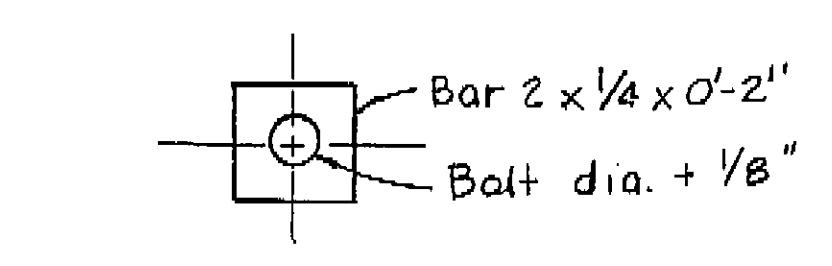



PLATE WASHER
Use over slotted holes

AS BUILT PLANS
Contract No. 06-242504
Date Completed _____
Document No. _____

- Notes:
1. For detail not shown see "Standard Plans".
2. The exterior mounting bracket to face outward to accommodate the walkway chain angle.
3. Contractor to provide anchor bolt layout before anchor bolts are placed.
4. ----- Indicates existing structure.
5. Existing sign to be removed. Existing anchor bolts shall be removed to a depth of 1" inch below the surface and the resulting hole patched with mortar.

NOTE:
THE CONTRACTOR SHALL VERIFY
ALL DEPENDENT DIMENSIONS IN
THE FIELD BEFORE ORDERING
OR FABRICATING ANY MATERIAL.


 Standard Plan Sheet No.
 Detail No.

DESIGN	By E. RIVER	9/83	Checked	Ben M. Moreno	9/83
DETAILS	By M. Moreno	8/83	Checked	Ben M. Moreno	9/83
QUANTITIES	By Ben M. Moreno	9/83	Checked	M. Moreno	9/83

3/77 State of
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
DESIGN SECTION

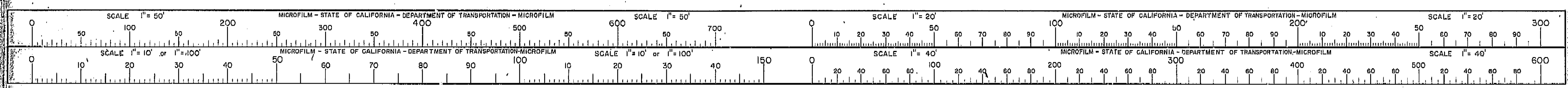
BRIDGE NO.
42-159
POST MILE

KERN STREET OVERCROSSING
BRIDGE MOUNTED SIGN
LAMINATED PANEL, TYPE A, WITH WALKWAY

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 10/20/83	SIGNATURE R. Ronald Blackford	TITLE SAC
------------------	----------------------------------	--------------

DAF-55-70



SCALE 1" = 60'

MICROFILM - STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MICROFILM

SCALE 1" = 50'

SCALE 1" = 20'

MICROFILM - STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MICROFILM

SCALE 1" = 20'

SCALE 1" = 10' or 1" = 100'

MICROFILM - STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MICROFILM

SCALE 1" = 10' or 1" = 100'

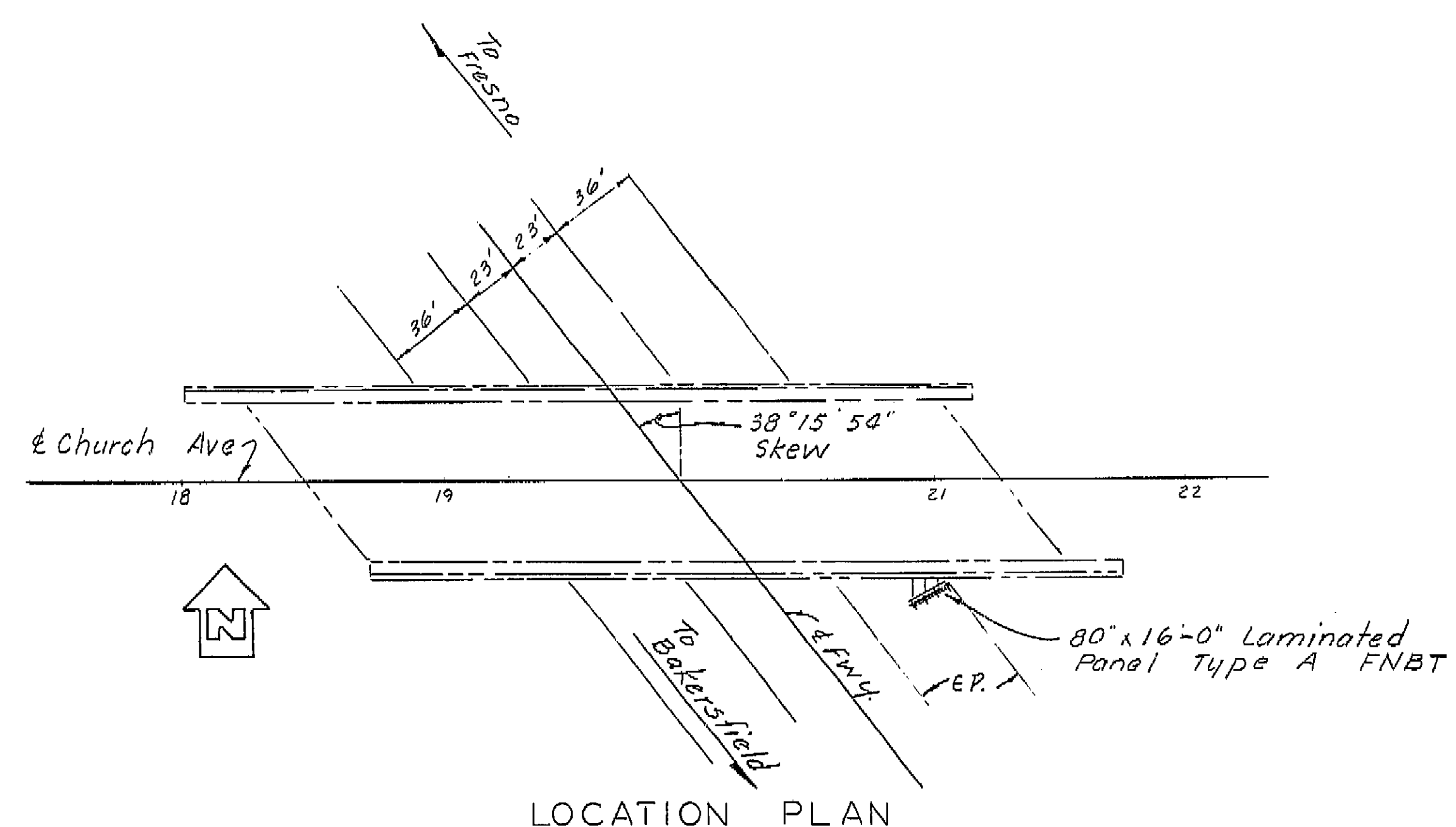
SCALE 1" = 40'

MICROFILM - STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MICROFILM

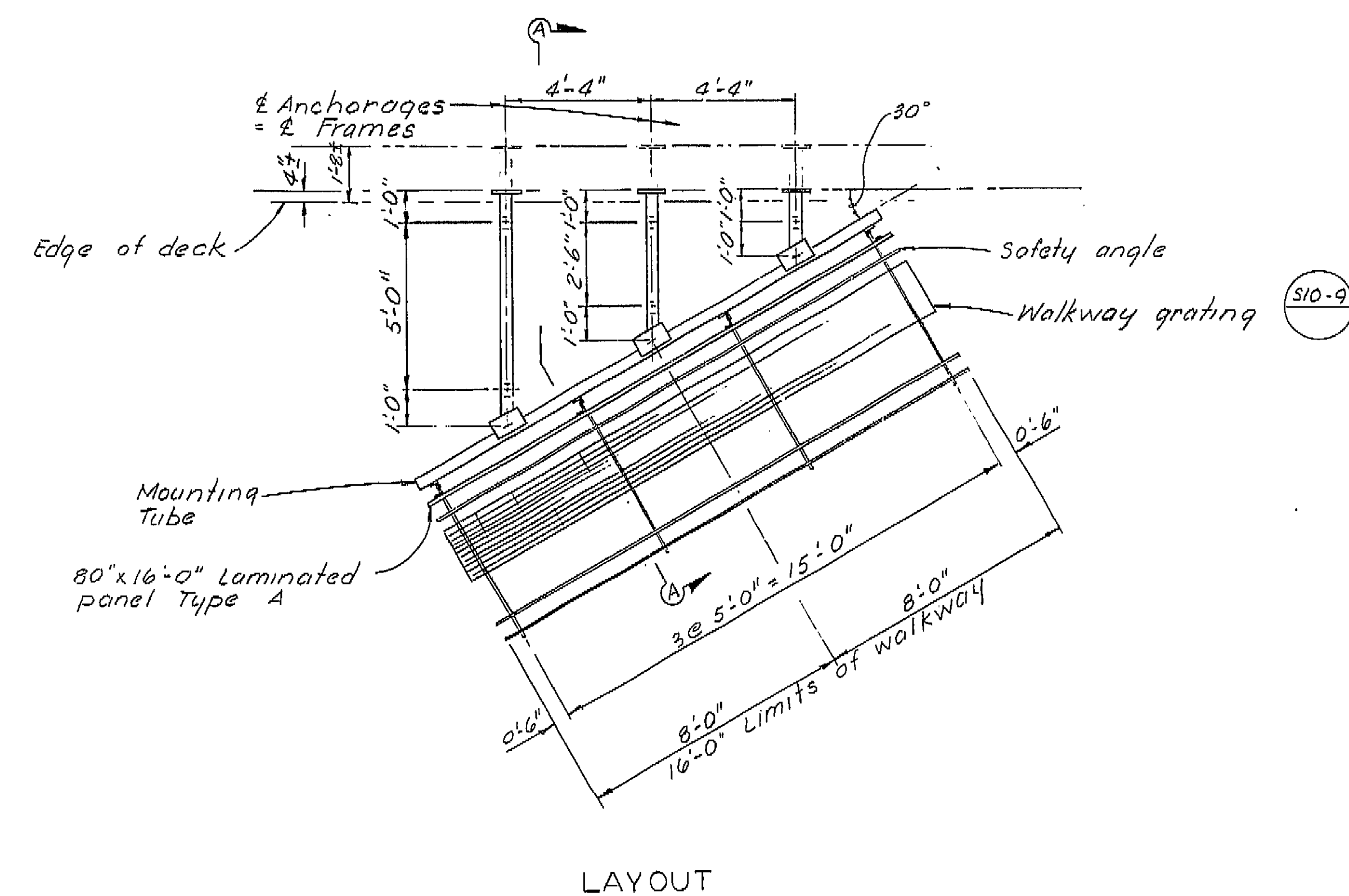
SCALE 1" = 40'

SCALE 1" = 40'

DIST.	COUNTY	ROUTE	POST MILES-TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
6	FRO	41		7	
E. R. Pomeroy			7/83	7845	
DESIGN ENGINEER			REGISTERED CIVIL ENGINEER NUMBER		
DATE APPROVED					



AS BUILT PLANS
 Contract No. 06-242504
 Date Completed _____
 Document No. _____



- Note:
1. For details not shown see "standard Plans"
 2. Exterior bracket angle to face outward to accommodate the safety chain angle.
 3. Finish to be galvanizing. 3/4" Holes in underside of tubing may be added by contractor to permit draining of galvanizing.
 4. Ends of mounting tube to be covered with 3/16" min. material seal welded.
 5. All high strength (H.S.) bolts shall be wrench tightened.
 6. Min size fillet weld is 1/4" or smaller piece thickness unless noted otherwise.
 7. For SECTION A-A see "Anchorage & Frame Details" sheet.
 8. ----- Indicates existing structure
 9. Holes in concrete to be drilled with non percussion type drill.

Standard Plan Sheet No. _____
 Detail No. _____

NOTE:
 THE CONTRACTOR SHALL VERIFY ALL DEPENDENT DIMENSIONS IN THE FIELD BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN	By <u>Ben Maturo 7/83</u>	Checked <u>E. RIVER 7/83</u>
DETAILS	By <u>Ben Maturo 7/83</u>	Checked <u>E. RIVER 7/83</u>
QUANTITIES	By <u>Ben Maturo 7/83</u>	Checked <u>E. RIVER 7/83</u>

State of
CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

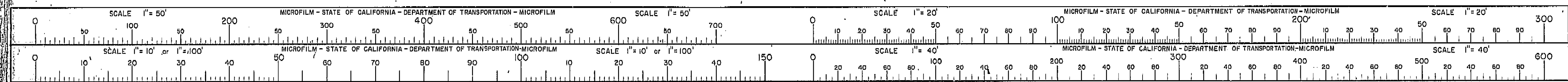
STRUCTURES - DESIGN **4**
E. R. Pomeroy 7/83
 PROJECT ENGINEER REGISTERED CIVIL ENGINEER NO.

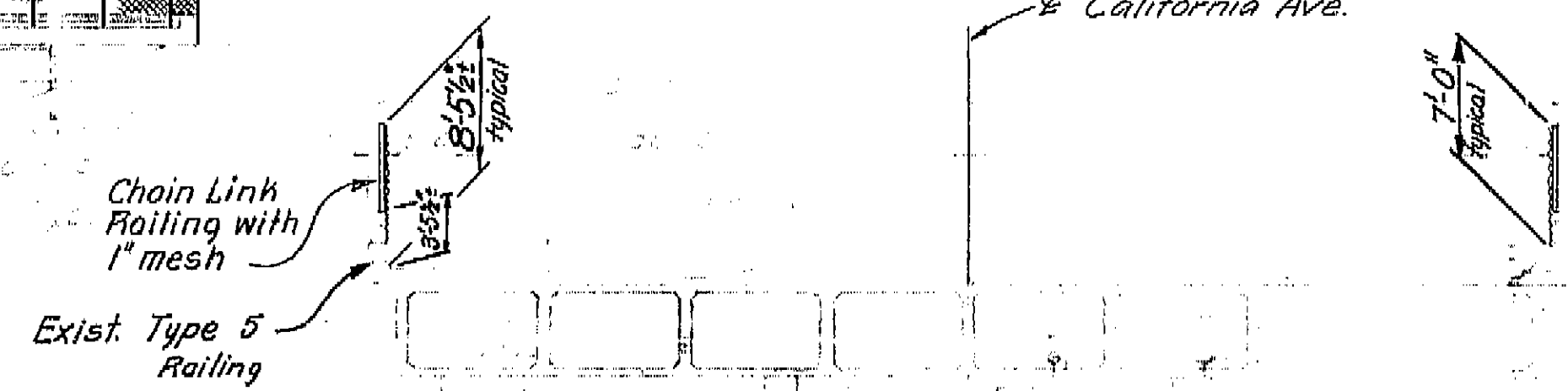
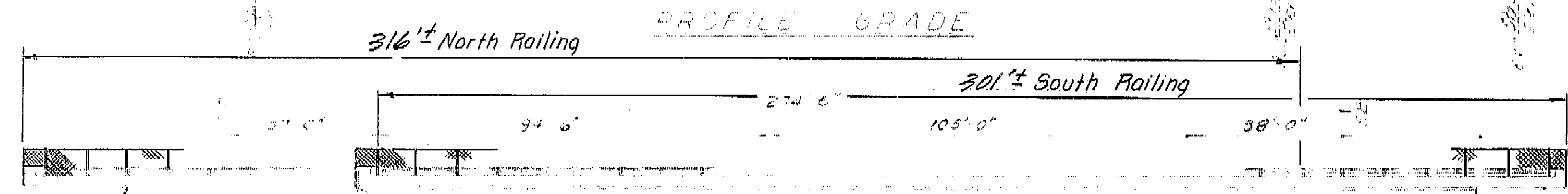
BRIDGE NO.	42-214
POST MILE	

CHURCH AVENUE OVERCROSSING
 BRIDGE MOUNTED SIGN-SKEWED
 LAYOUT AND LOCATION PLAN

05 0138 7855-50 L&L 200 - 007	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 06351 WO 242501	Disregard prints bearing earlier revision dates	7/83 7/83	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET 1 OF 2
-------------------------------	--------------------------------------------	---------	-----------------------	-------------------------------------------------	-----------	-----------------------------------------	--------------

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.
 DATE 10/02/83 BY Ronald Blackford TITLE ENGINEER





ELEVATION

NOTE:
THE CONTRACTOR SHALL VERIFY
ALL DEPENDENT DIMENSIONS IN
THE FIELD BEFORE ORDERING
OR FABRICATING ANY MATERIAL.

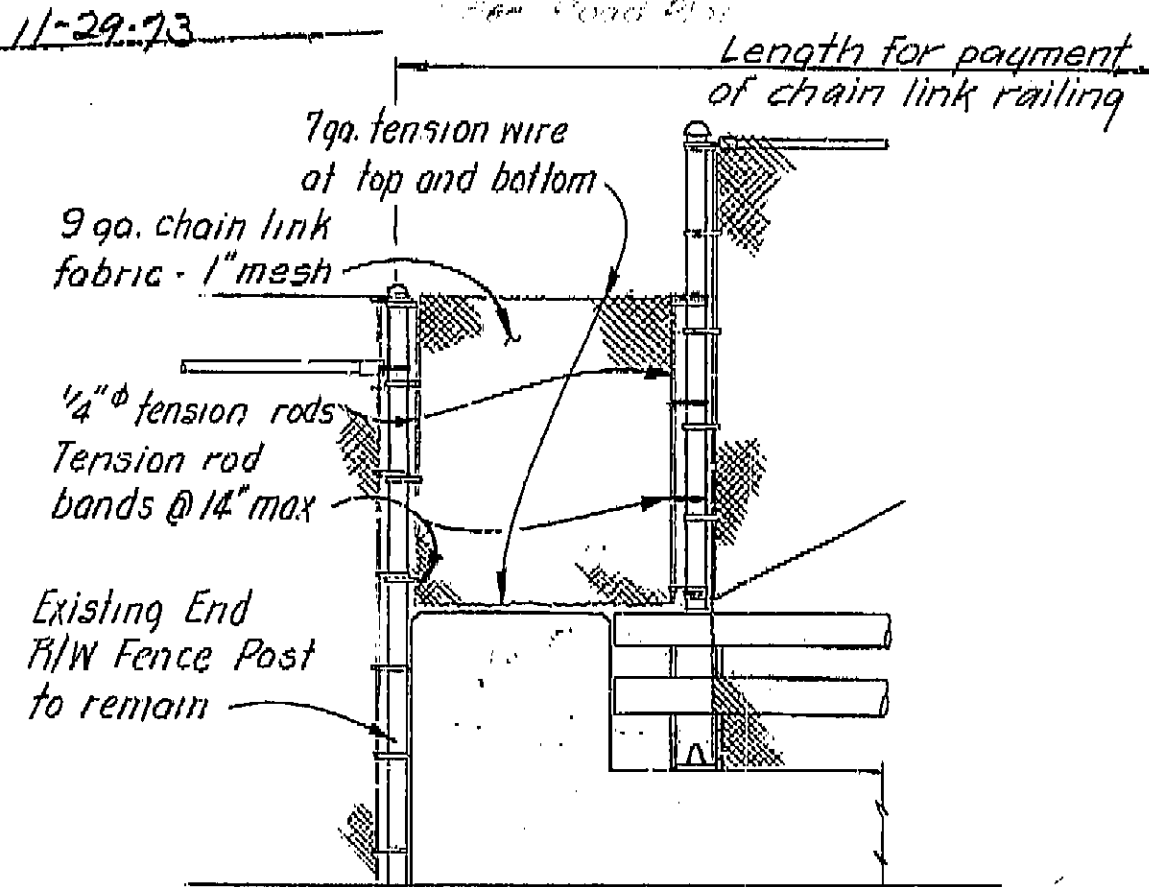
INDEX TO PLANS

SHEET NO	TITLE
1	GENERAL PLAN
2	CHAIN LINK RAILING DETAILS

TYPICAL SECTION

AS BUILT
 CORRECTIONS BY F.W. Dowling
 CONTRACT NO. 06-125701
 DATE 11-29-73

1	251.538
2	251.846
3	252.337
4	252.375
5	252.516
6	252.776
7	252.930
8	253.058
9	253.130
10	253.090
11	252.946
12	252.756
13	252.529
14	252.363
15	252.100
16	251.765
17	251.527



R/W FENCE CONNECTION

BRIDGE DEPARTMENT
DESIGN SECTION 13

Section Supervisor: [Signature]
 Project Engineer: Morton H. Pohl

DESIGN	By M. Pohl 7-72	Checked T.A. Hanson 9/72
DETAILS	By M. Pohl 7-72	Checked T.A. Hanson 9/72
LAYOUT	By M. Pohl 7-72	Checked T.A. Hanson 9/72
QUANTITIES	By M. Pohl 7-72	Checked T.A. Hanson 9/72
SPECIFICATIONS	By M. Pohl 7-72	Checked T.A. Hanson 9/72

Approval Recommended by: [Signature] District Engineer
 Prepared and Checked by: [Signature] District Engineer

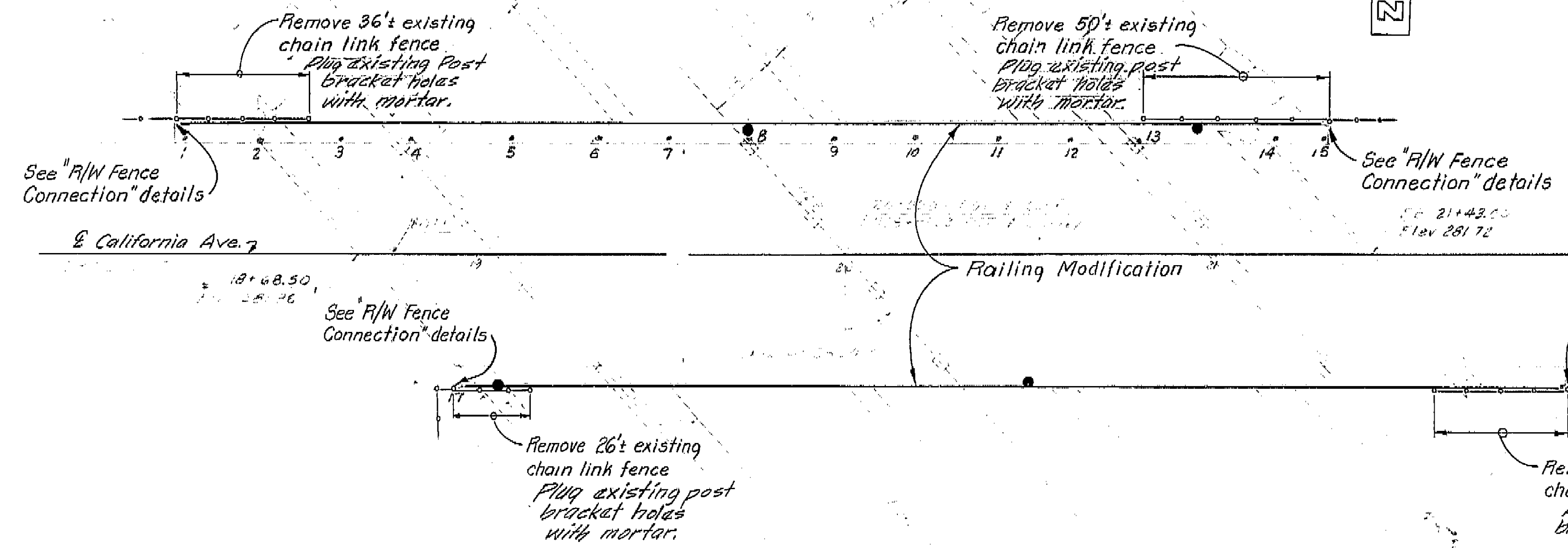
STATE OF CALIFORNIA
 BUSINESS AND TRANSPORTATION AGENCY
 DEPARTMENT OF TRANSPORTATION

**CALIFORNIA AVENUE OVERCROSSING
 RAILING MODIFICATION**

GENERAL PLAN

BRIDGE NO. 42-217 POST MILE 19.80 SHEET 1 OF 2

PREL. DRAWING NO. P. [Blank]



APPROXIMATE QUANTITIES
 REMOVE CHAIN LINK FENCE 148 LF
 MODIFY BRIDGE RAILING (LOCATION B) 57 LF
 6/4.3

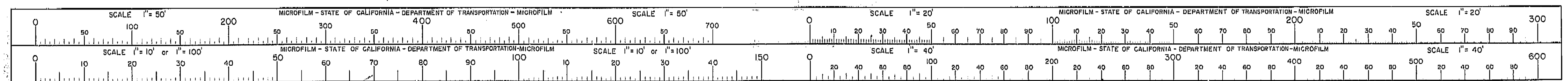
• Indicates location of existing electrolier

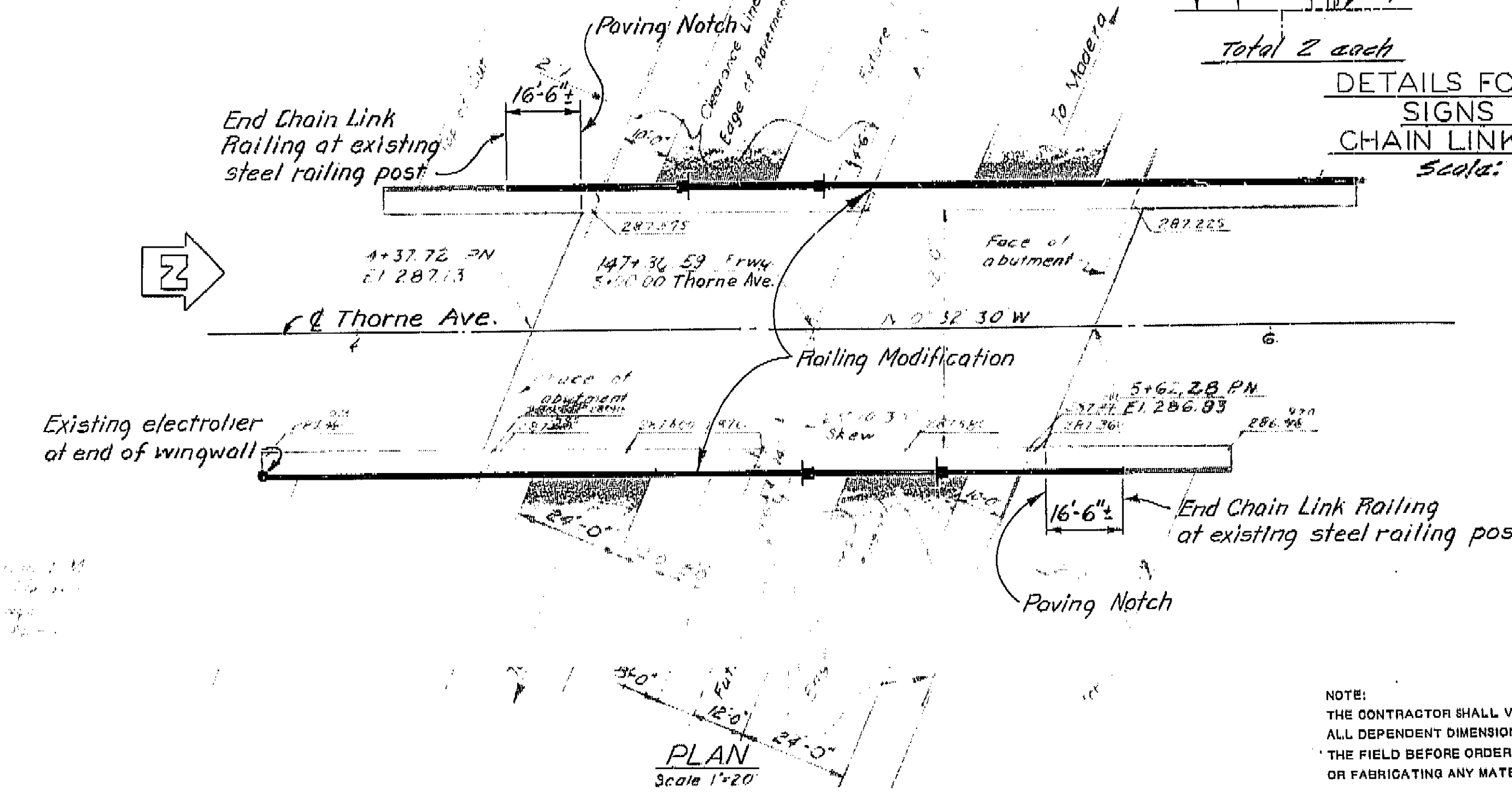
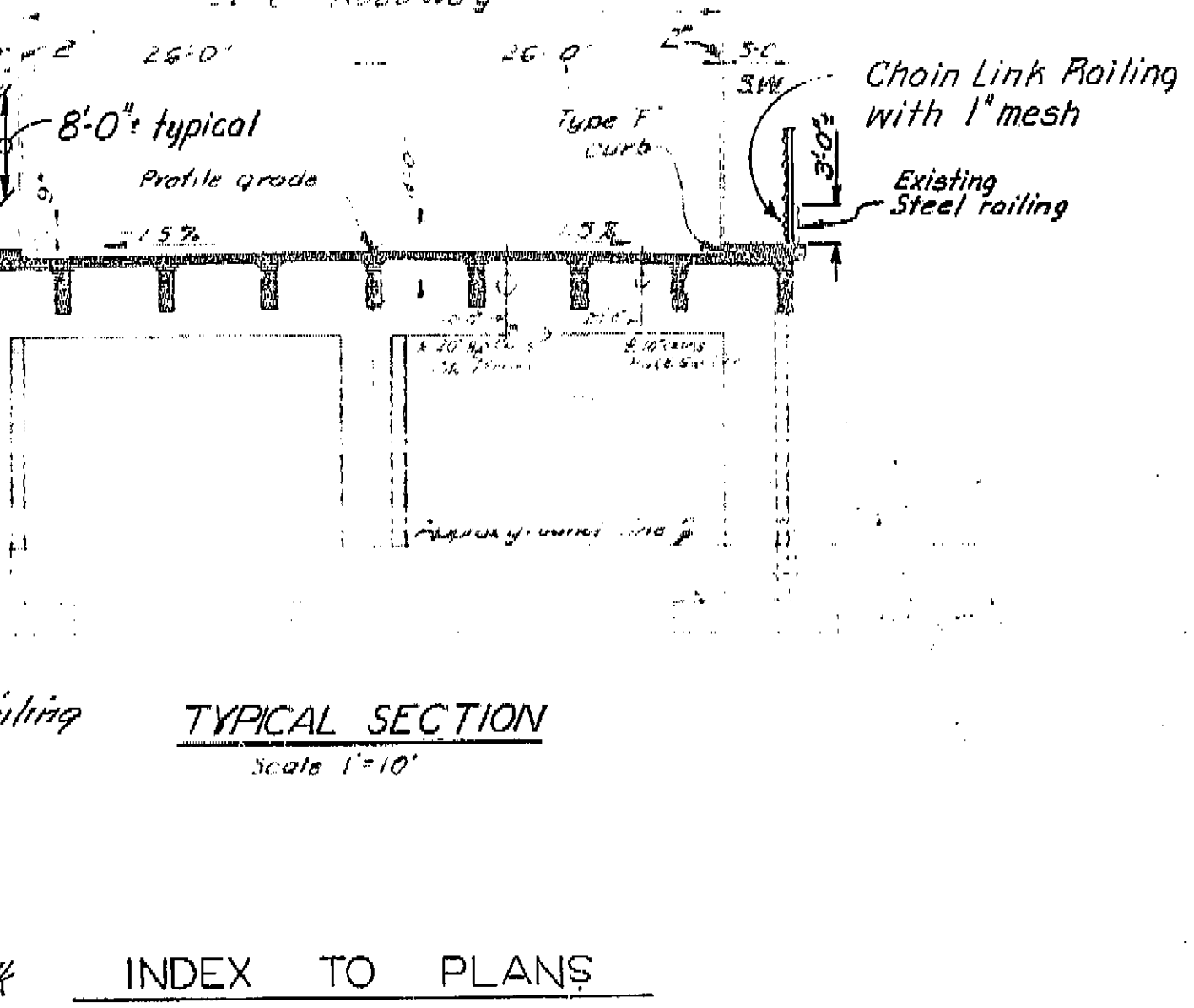
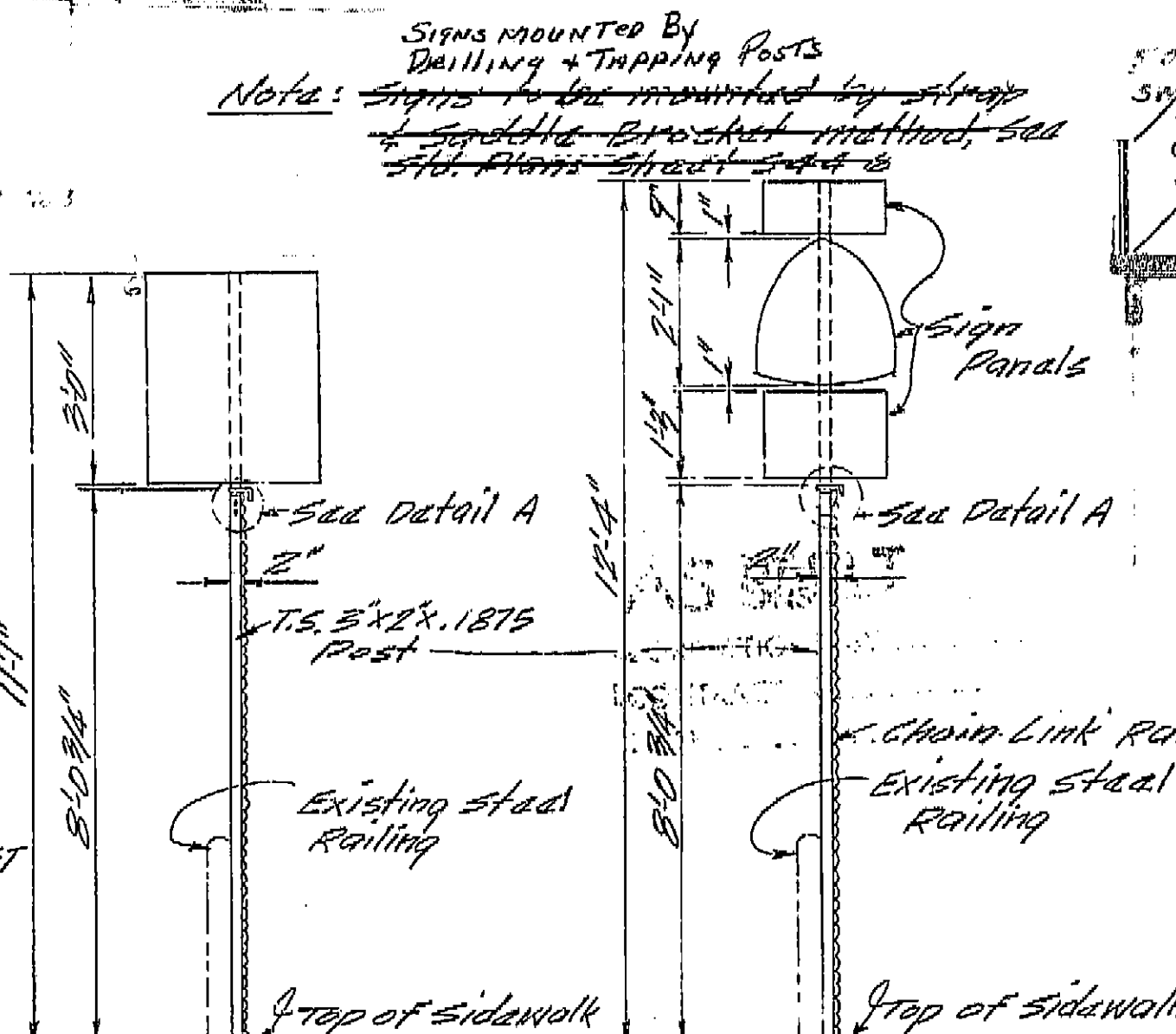
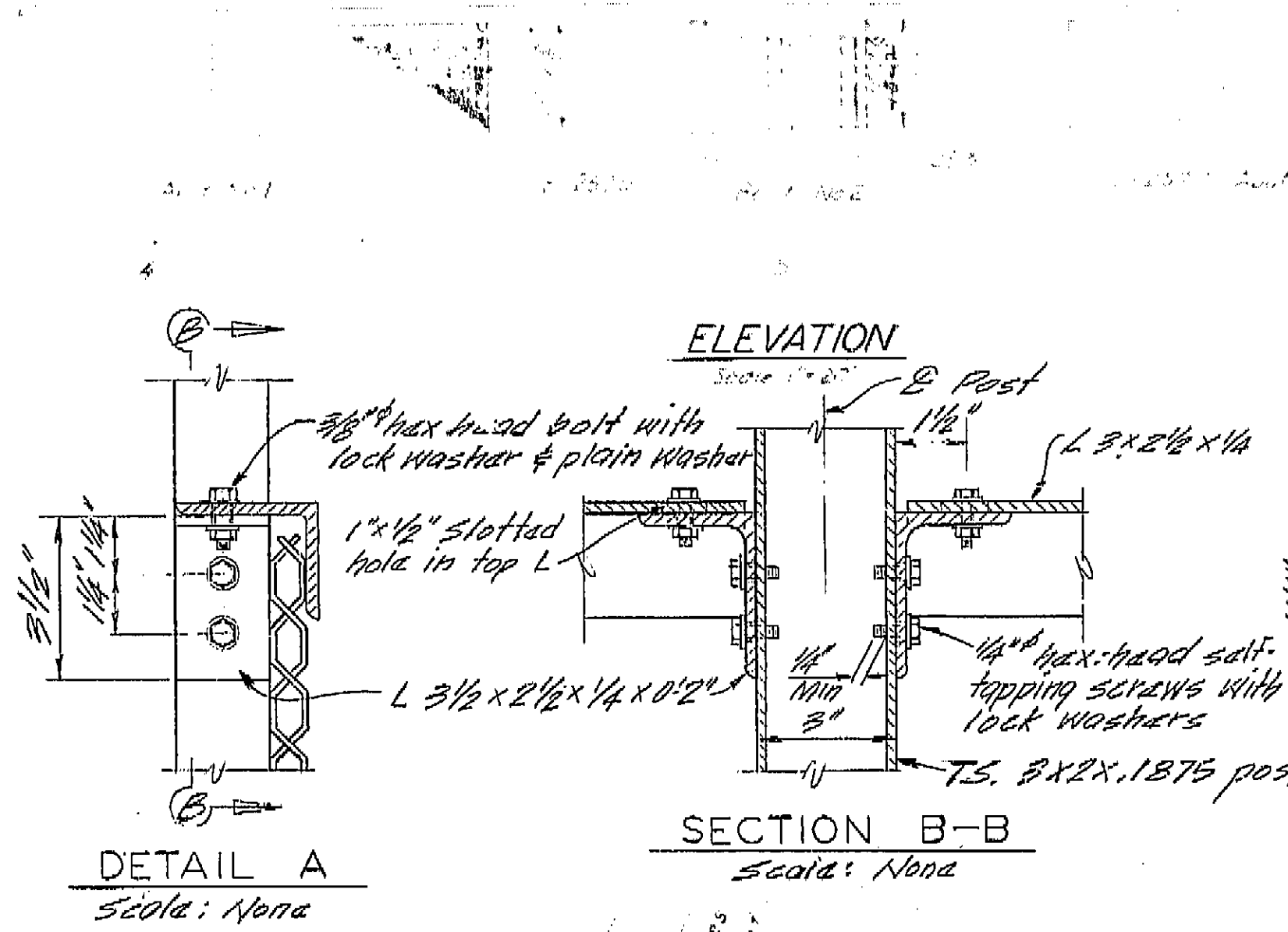
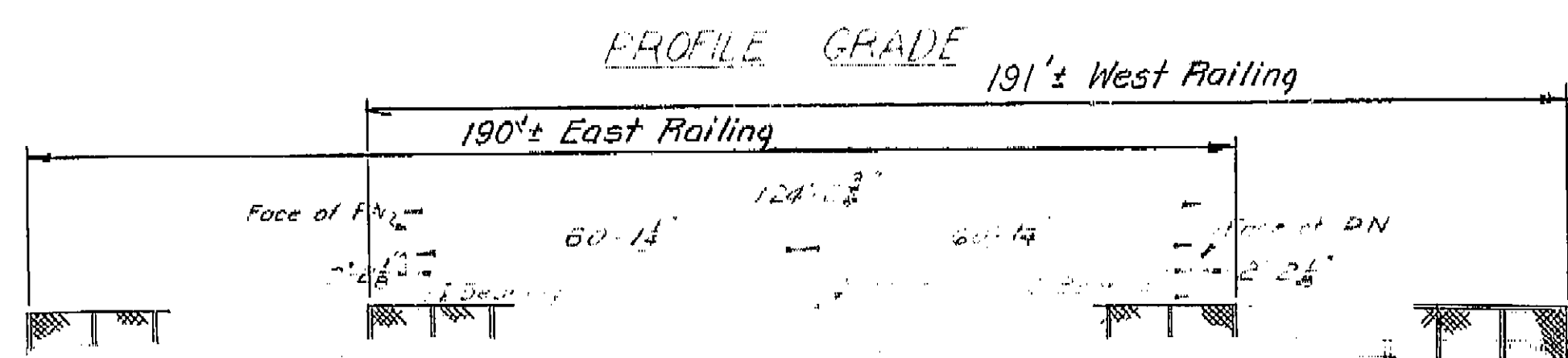
PLAN

AS BUILT PLANS
 Contract No. 06-125701
 Date Completed 6/23/75
 Document No. 60006552

WO 125701
 CU 06351

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN
 UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO
 AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.
 DATE 6/23/75 SIGNATURE [Signature] TITLE Microfilm Supervisor





SHEET NO.	TITLE
1	GENERAL PLAN
2	CHAIN LINK RAILING DETAILS

= Remove existing signs & posts.
 Salvage and install signs on
 extended chain link railing post.

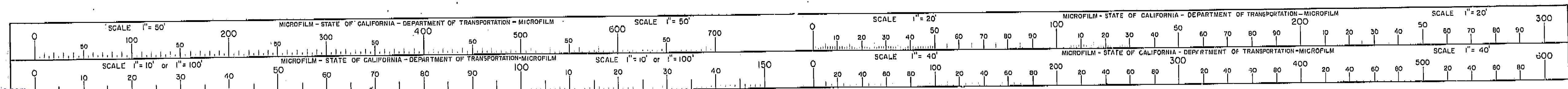
AS BUILT
 CORRECTIONS BY F.W. Bowling
 CONTRACT NO. 06-125704
 DATE 12-18-73

APPROXIMATE QUANTITIES
 REMOVE ROADSIDE SIGN 4 EA
 MODIFY BRIDGE RAILING (LOCATION D) 381 LF
 INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD) 8 EA

BRIDGE DEPARTMENT DESIGN SECTION 13 Section Supervisor: <i>[Signature]</i> Project Engineer: <i>Martin H. Pohl</i>		STATE OF CALIFORNIA BUSINESS AND TRANSPORTATION AGENCY DEPARTMENT OF TRANSPORTATION	
THORNE AVENUE OVERCROSSING RAILING MODIFICATION GENERAL PLAN			
DESIGN DETAILS LAYOUT QUANTITIES SPECIFICATIONS	BY M. Pohl 7-72 BY M. Pohl 7-72 BY M. Pohl 7-72 BY M. Pohl 9-72 BY M. Pohl 9-72	CHECKED T.A. Hanson 9/72 CHECKED T.A. Hanson 9/72 CHECKED T.A. Hanson 9/72 CHECKED T.A. Hanson 9/72 CHECKED T.A. Hanson 9/72	BRIDGE NO. 42-185 POST MILE 21.70 DRAWING NO. 1 SHEET 2

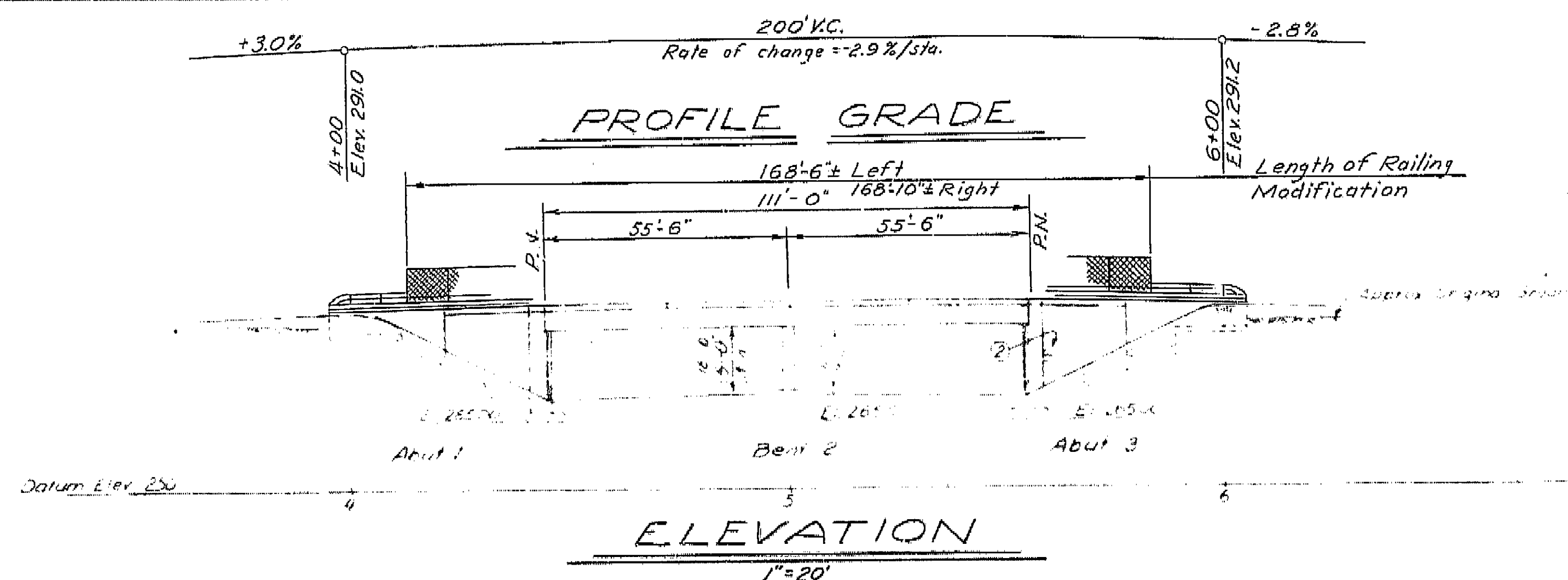
AS BUILT PLANS
 Contract No. 06-125704
 Date Completed
 Document No. 60006552

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN
 UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO
 AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.
 DATE 6/23/75 *[Signature]* *[Signature]*

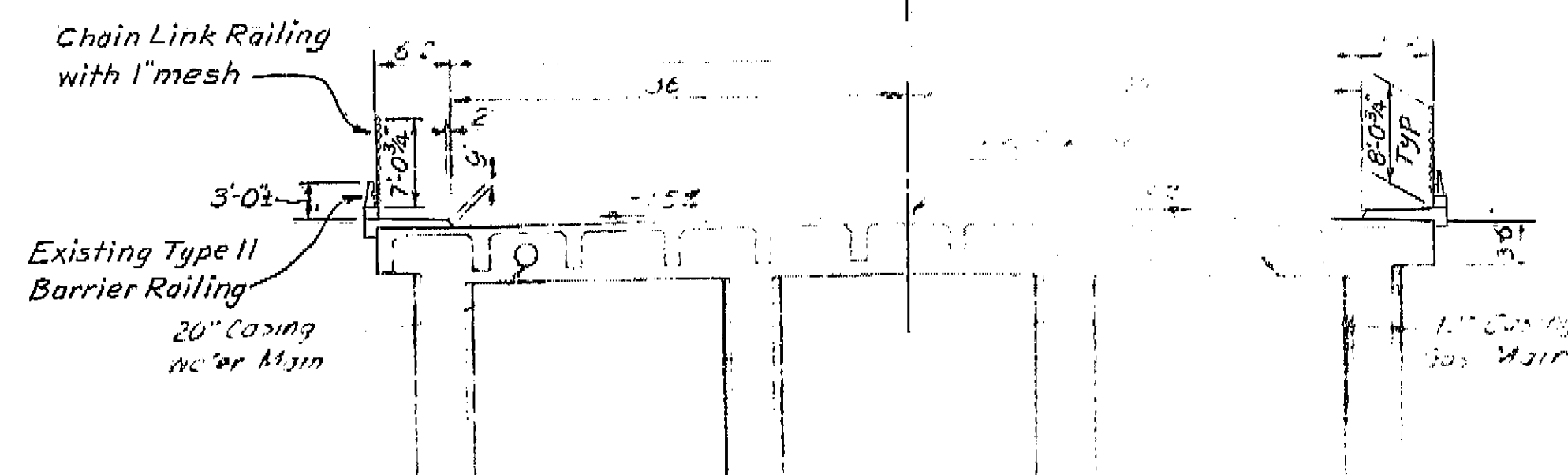


DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET	TOTAL SHEETS
06	Fre	99	19.2 / 21.8	8	9

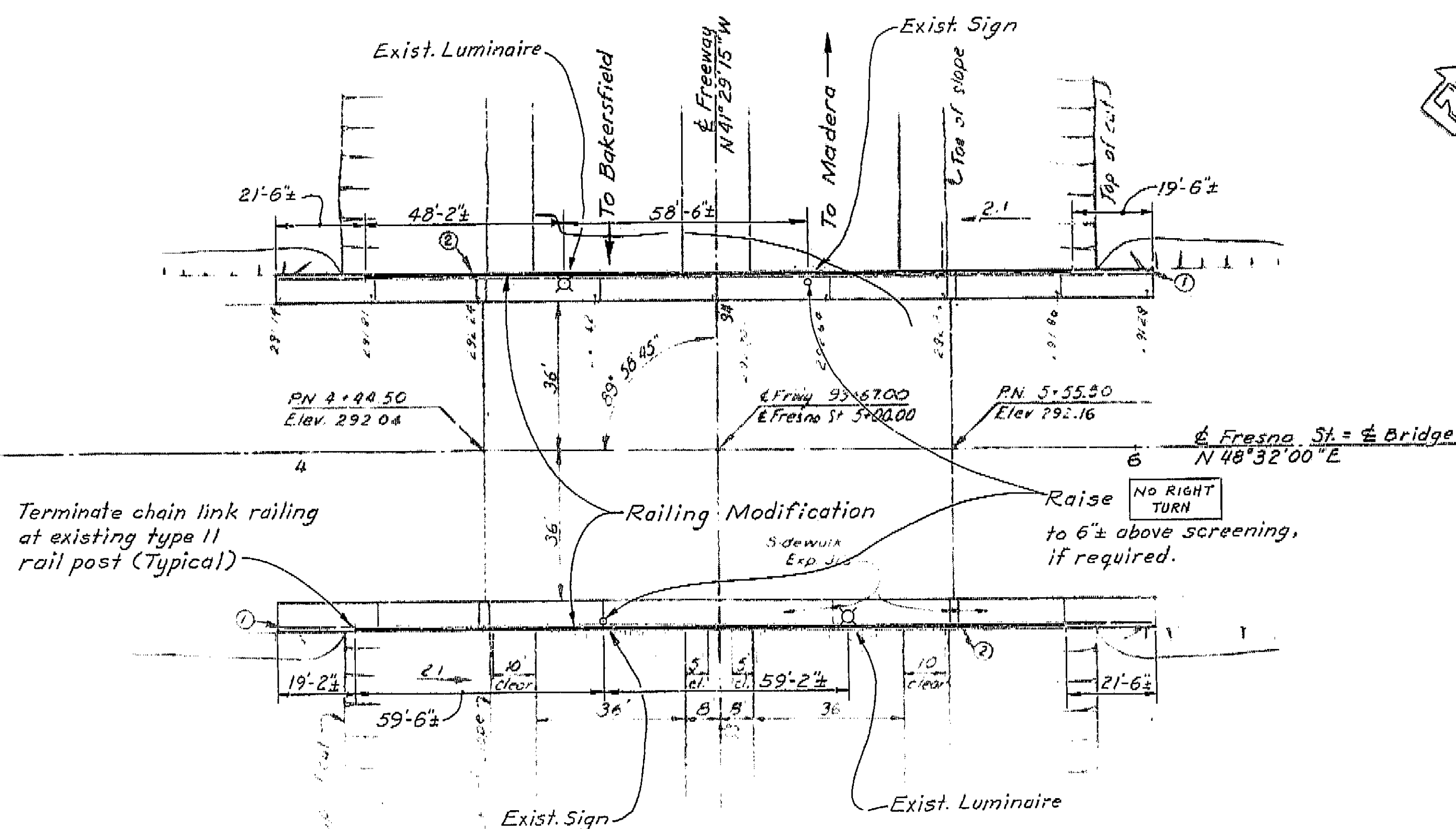
DATE APPROVED: June 25, 1973



NOTE:
THE CONTRACTOR SHALL VERIFY
ALL DEPENDENT DIMENSIONS IN
THE FIELD BEFORE ORDERING
OR FABRICATING ANY MATERIAL.



TYPICAL SECTION
1"=10'



Sheet No.	Title
1	General Plan
2	Chain Link Railing Details

AS BUILT
CORRECTIONS BY F.W. Pauling
CONTRACT NO. 06-125701
DATE 11-29-73

APPROXIMATE QUANTITY
MODIFY BRIDGE RAILING (LOCATION C) 334 LF

AS BUILT PLANS
Contract No. 06-125701
Date Completed
Document No. 60006552

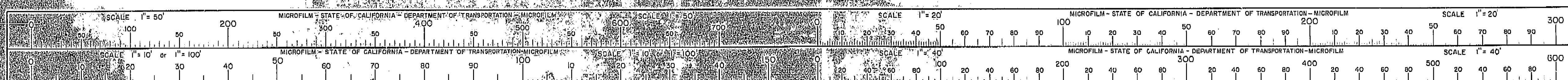
BRIDGE DEPARTMENT DESIGN SECTION 13		STATE OF CALIFORNIA BUSINESS AND TRANSPORTATION AGENCY DEPARTMENT OF TRANSPORTATION	
FRESNO STREET OVERCROSSING RAILING MODIFICATION			
GENERAL PLAN			
DESIGN BY M. R. Hill 11-72	CHECKED B. Cochran 11/72	BRIDGE NO. 42-170	POST MILE 20.73
DETAILS BY PARTIN 11-72	CHECKED B. Cochran 11/72	DRAWING NO.	SHEET 1 OF 2
LAYOUT BY PARTIN 11-72	CHECKED B. Cochran 11/72		
QUANTITIES BY PARTIN 11-72	CHECKED B. Cochran 11/72		
SPECIFICATIONS BY B. Cochran 11/72	DESIGNED BY B. Cochran 11/72		

WO 125701
CU 06351

Disregard prints bearing
earlier revision dates

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN
UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO
AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 6/23/75 SIGNATURE Dick McQuinn TITLE Marketing Supervisor



INDEX OF SHEETS

SHEET NO. 1 TITLE SHEET
 " " 2-3 CHURCH AVE. O.C. BR. NO. 42-214
 " " 4-5 CALIFORNIA AVE. O.C. BR. NO. 42-217
 " " 6-7 THORNE AVE. O.C. BR. NO. 42-185
 " " 8-9 FRESNO STREET O.C. BR. NO. 42-170

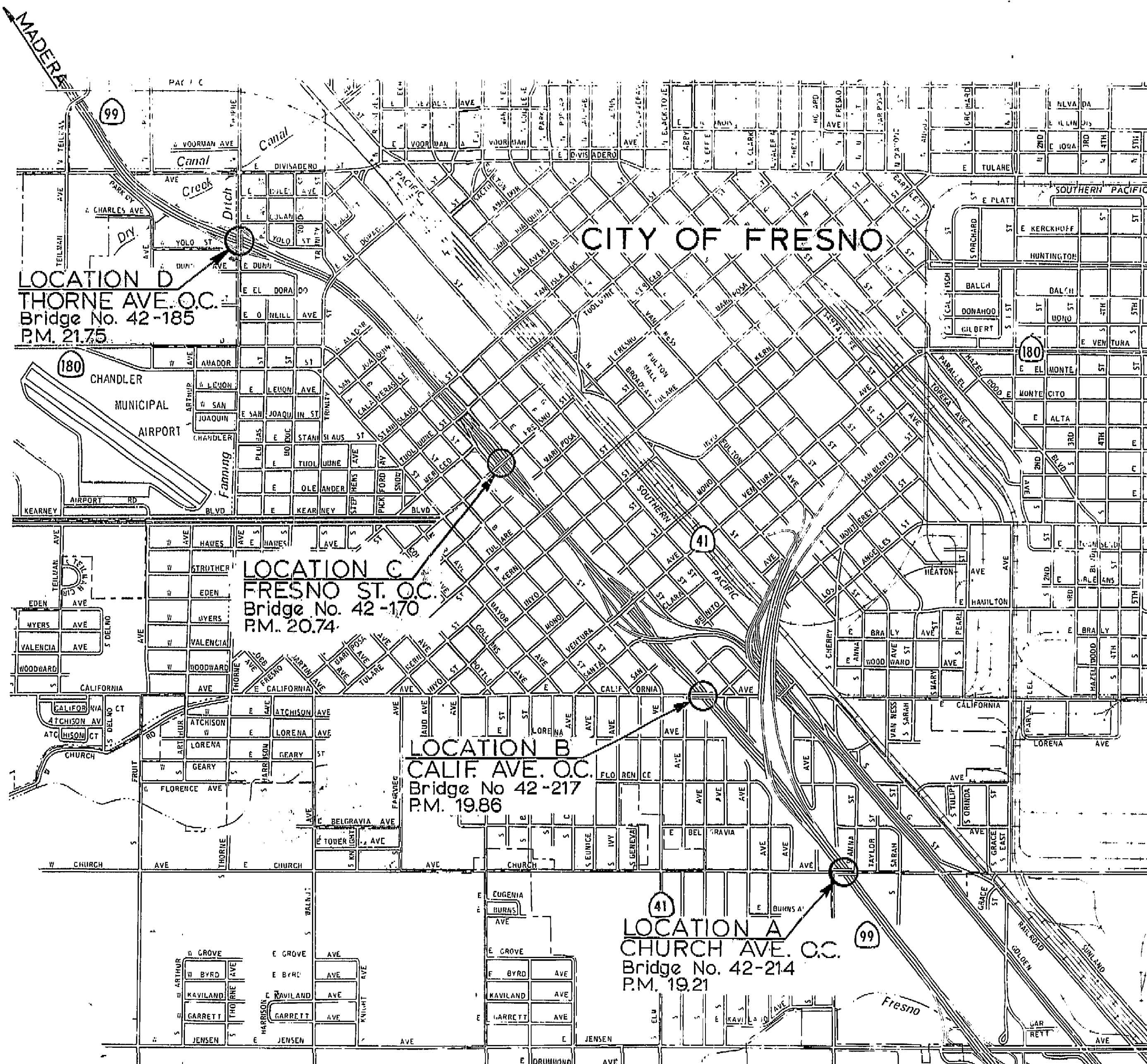
APPLICABLE STANDARD PLANS

544-6

Date	County	Route	Post Miles	Sheet No.	Total Sheets
06 FRE	99	19.2/21.8	1	9	

R. H. Ramsey
 DISTRICT DIRECTOR OF TRANSPORTATION
 REGISTERED CIVIL ENGINEER NO. 10644

DATE APPROVED June 25, 1973



LOCATION MAP



Scale in thousands of feet.

AS BUILT PLANS
 Contract No. 06-125704
 Date Completed 6-23-75
 Document No. 6552

AS BUILT
 CORRECTIONS BY FW Dowling
 CONTRACT NO. 06-125704
 DATE 7-1-73

STATE OF CALIFORNIA
 BUSINESS AND TRANSPORTATION AGENCY
 DEPARTMENT OF TRANSPORTATION

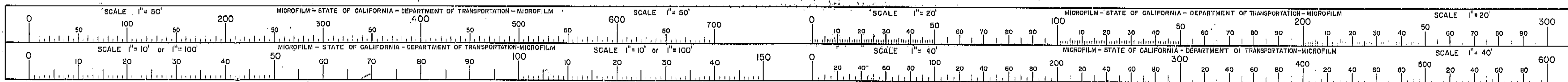
PROJECT PLANS FOR CONSTRUCTION ON
 STATE HIGHWAY
 IN FRESNO COUNTY IN FRESNO
 AT VARIOUS LOCATIONS
 FROM CHURCH AVENUE OVERCROSSING
 TO THORNE AVENUE OVERCROSSING

to be supplemented by Standard Plans dated January, 1973

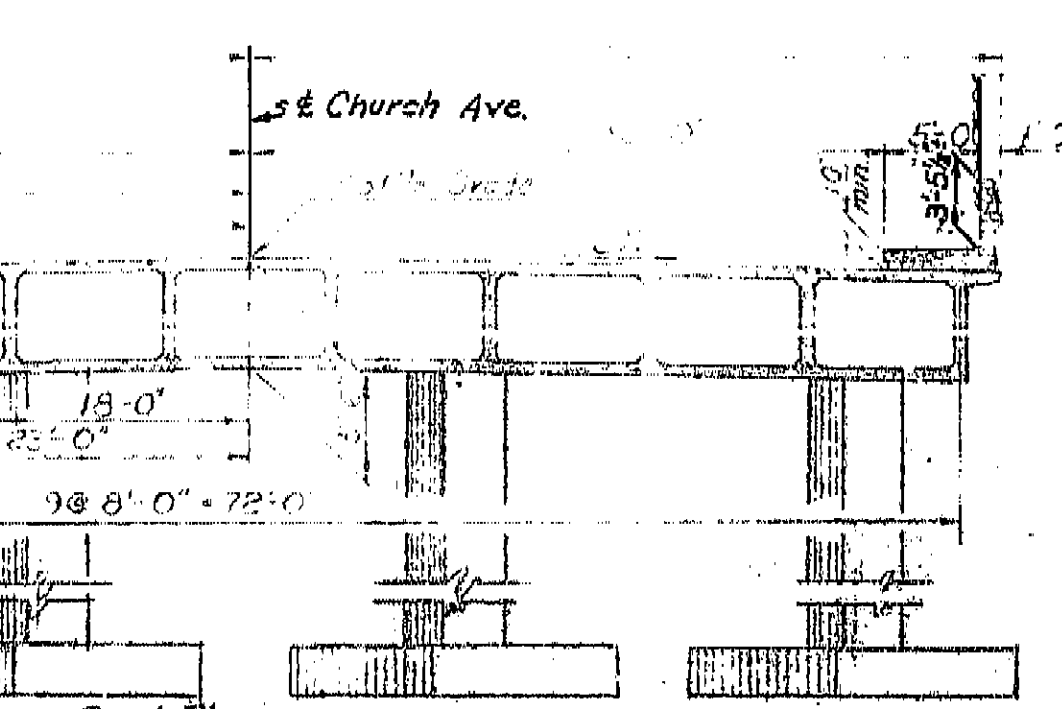
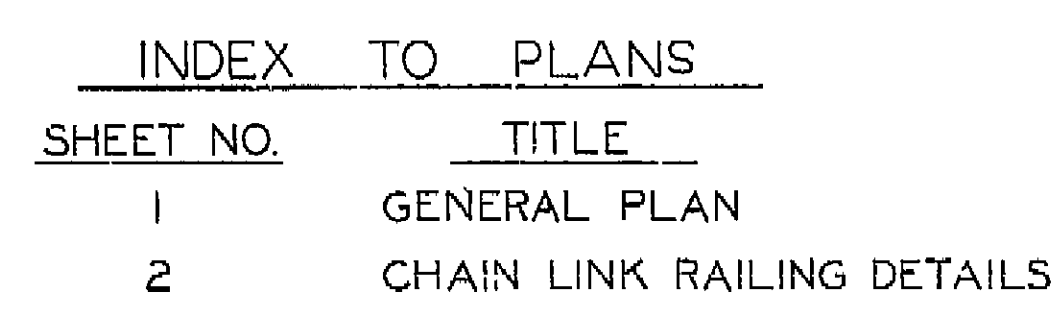
Contract No. **06-125704**

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 6/23/75 BY Dick Meadows Mr. Philip Superior



62-1242
 BRIDGE ENGINEER
 REGISTERED CIVIL ENGINEER NUMBER 2565
 ASSISTANT STATE HIGHWAY ENGINEER
 REGISTERED CIVIL ENGINEER NUMBER 2330
 DATE APPROVED: June 25, 1973



(a) **TYPICAL SECTION**

See Road Plans.

Length for payment of chain link railing

7 ga. tension wire at top and bottom

chain link 6-1" mesh

in red. red. bonds max.

7 ga. End Rlw post to 40 ft.

(3)

This diagram shows a cross-section of a chain-link fence. It features two vertical posts connected by a chain-link mesh. The top and bottom rails are labeled as 7-gauge tension wire. The mesh is specified as 6x1 inch. A note indicates that the red-bonded areas should be maximized. A 7-gauge end rail post is shown extending to a height of 40 feet. The diagram is labeled as a 'Typical Section' and refers to 'Road Plans' for further details. A note at the top right specifies the 'Length for payment of chain link railing'. The diagram is numbered '(a)' and '(3)'.

Final Elevations
Copper Nails

1.	280.170
2.	280.423
3.	280.867
4.	281.225
5.	281.576
6.	281.764
7.	281.933
8.	281.933
9.	281.904
10.	281.816
11.	281.891
12.	281.917
13.	281.209
14.	281.628
15.	279.623

BRIDGE DEPARTMENT

DESIGN SECTION

13

Section Supervisor: *[Signature]*

Project Engineer: *Martin H. Pohl*

DESIGN	By	M. Pohl	7/72	Checked	T. A. Hanson	9/72
DETAILS	By	M. L. Loe	7/72	Checked	T. A. Hanson	9/72
LAYOUT	By	W. L. Loe	7/72	Checked	T. A. Hanson	9/72
QUANTITIES	By	M. Pohl		Checked	T. A. Hanson	9/72
SPECIFICATIONS	By	D. M. Malt	9/72	Placed and Checked	D. M. Malt	9/72

Approved: *[Signature]* *DR. C. C. C. C.*

Engineered: _____

Checked: _____

Scale: _____

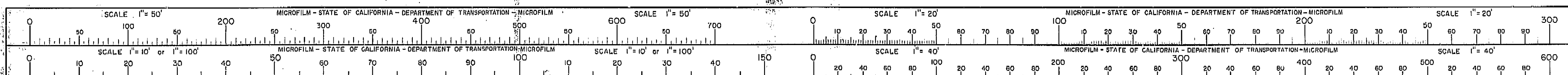
2013

BUSINESS AND TRANSPORTATION AGENCY DEPARTMENT OF TRANSPORTATION	
<u>CHURCH AVENUE OVERCROSSING</u> <u>RAILING MODIFICATION</u> GENERAL PLAN	
BRIDGE 48-214	POST M.F. 48-2
DRAWING NO.	SHEET 1
OF 2	OF 2

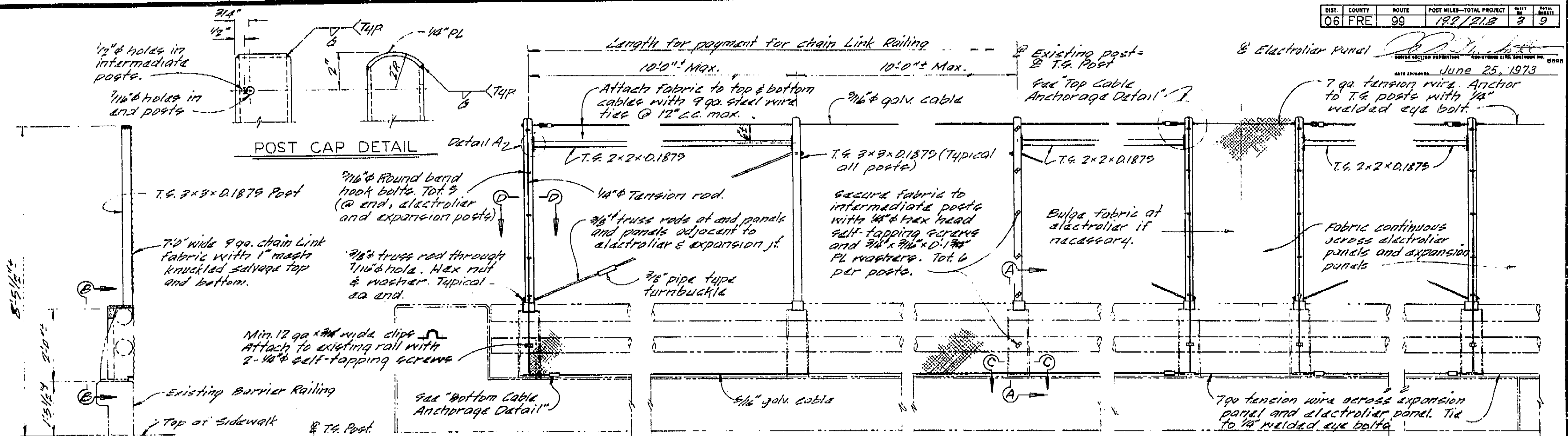
AS BUILT PLANS
Contract No. 06-125704
Date Completed _____
Document No. 60006552

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 6/23/75 SIGNATURE Dieter M. Pennington TITLE Mr. Pennington, Sup. 22-000



DATE EXPIRED June 25, 1973

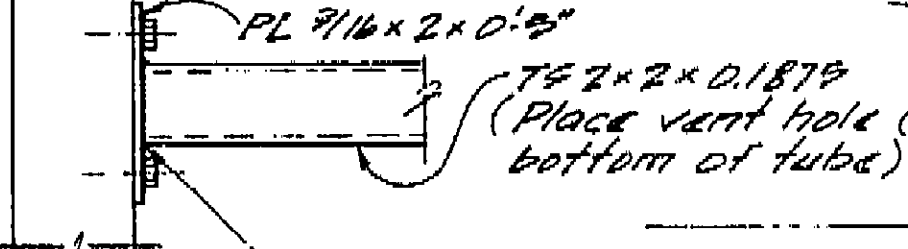


TYPICAL SECTION

3/8" hex head self-tapping screws or drill & tap for 3/8" bolts

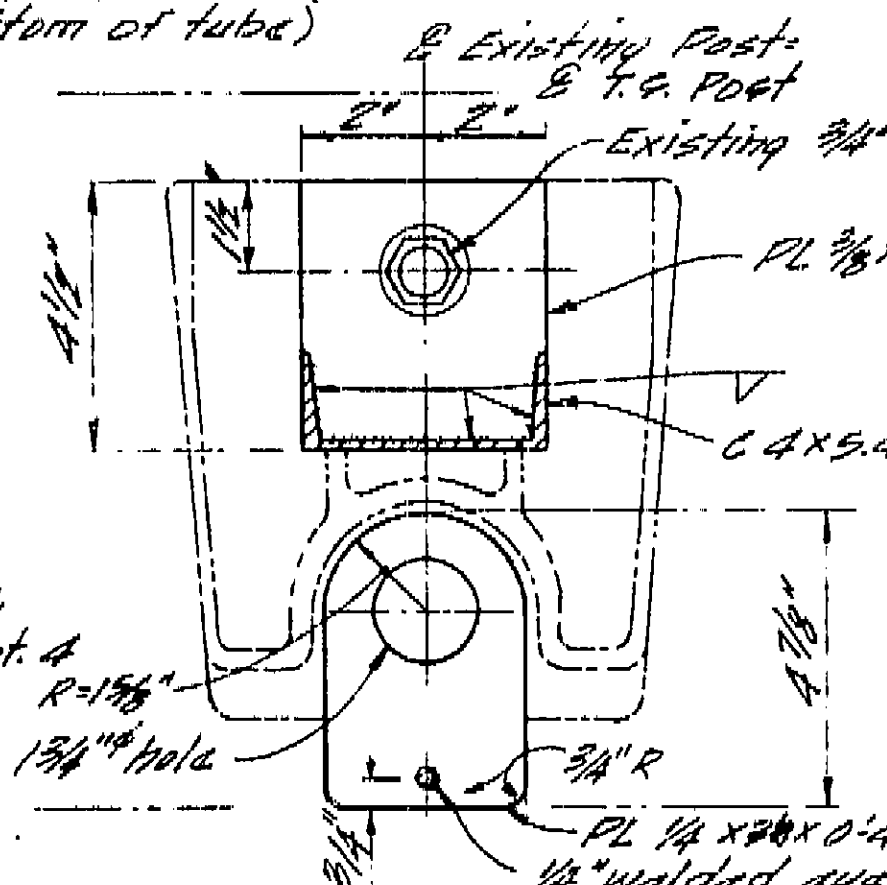
DETAIL A

END PANEL



INTERMEDIATE PANEL

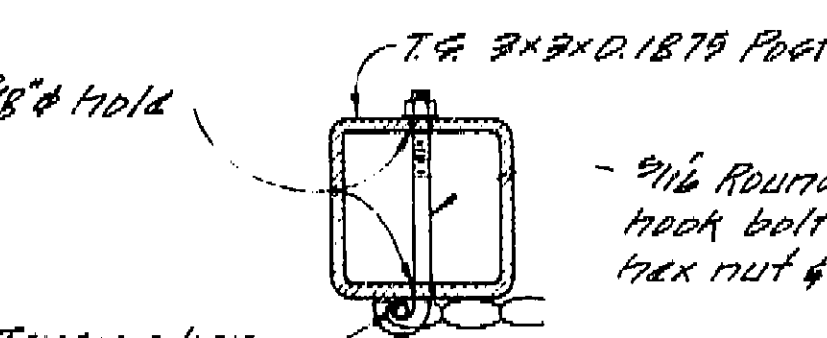
ELEVATION



SECTION C-C

TOP CABLE ANCHORAGE

DETAIL



SECTION D-D

ELECTROLIER PANEL

Future electrolier panel shown. Details similar for existing electrolier.

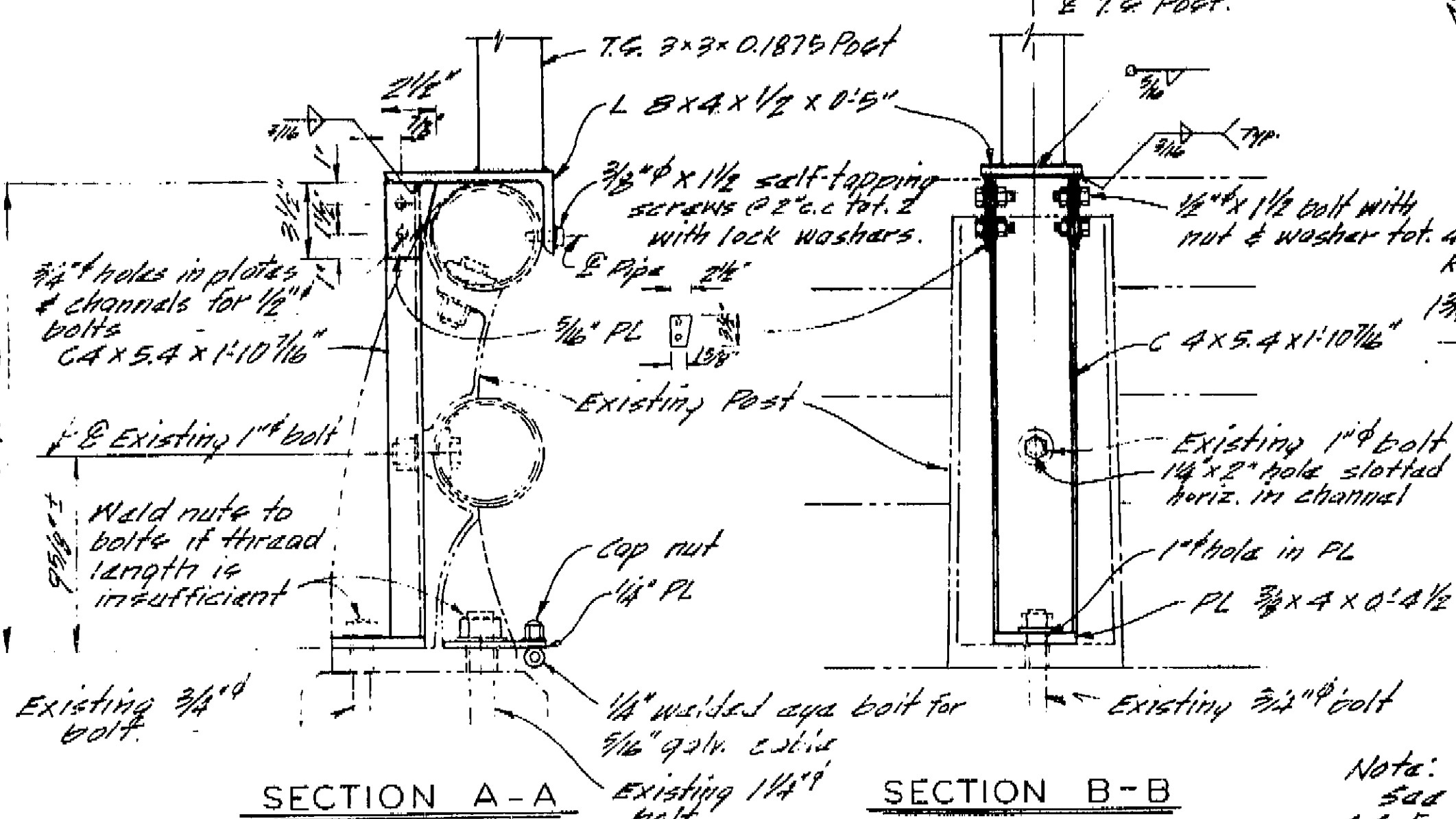
EXPANSION PANEL

PANEL

- Notes:
1. Railing assembly except chain link fabric to be galvanized after fabrication.
 2. When railing is on slope, chain link fabric shall be placed parallel to slope.
 3. Post extensions and chain link fabric shall conform to horizontal and vertical alignment. Post extensions shall be vertical. Horizontal pipes shall be bent if radius is 150 ft. or less and may be on 10 ft chords if radius is over 150 ft.
 4. Peen all exposed bolts.
 5. Provide thimbles at all cable loops.
 6. Existing structures shown thus:
 7. Alternative details may be submitted by Contractor for Engineers approval.

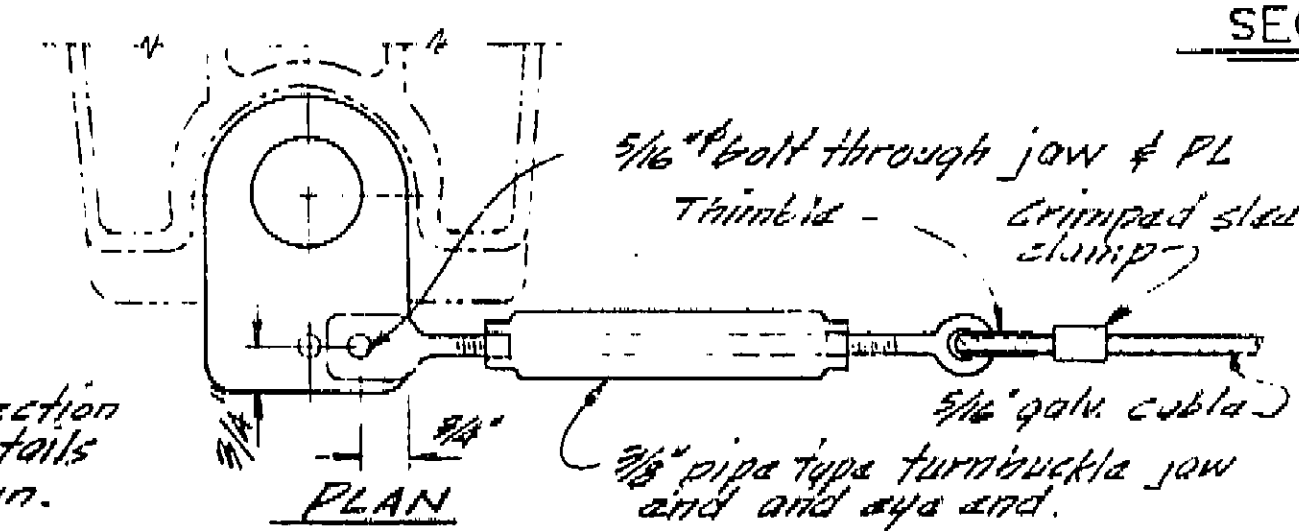
No AS BUILT

CORRECTIONS BY E.W. Powell, Inc.
CONTRACT NO. 06-125704
DATE 11-29-73



PLAN

BOTTOM CABLE ANCHORAGE DETAIL



Notes:
See Section C-C for details not shown.

AS BUILT PLANS
Contract No. 06-125704
Date Completed
Document No. 60006552

BRIDGE DEPARTMENT
DESIGN SECTION 13

Project Engineer	Martin T. Pohl
DESIGN	W. M. Pohl 8-72
Checked by	W. M. Pohl 8-72
DETAILS	W. M. Pohl 8-72
Checked by	W. M. Pohl 9-72
QUANTITIES	W. M. Pohl 9-72
Checked by	T. A. Hanson 9-72

STATE OF CALIFORNIA
BUSINESS AND TRANSPORTATION AGENCY
DEPARTMENT OF TRANSPORTATION

CHURCH AVENUE OVERCROSSING
RAILING MODIFICATION
CHAIN LINK RAILING DETAILS

BRIDGE NO.	42-214	POST MILE	19.2	DRAWING NO.	2	OF	2
REVISION DATES				(PRELIMINARY STAGE ONLY)			

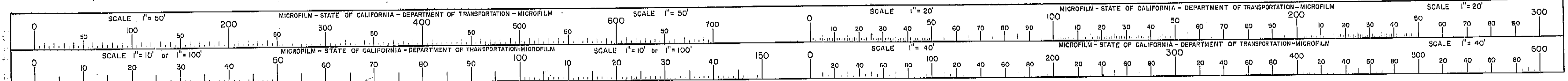
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 6/23/75

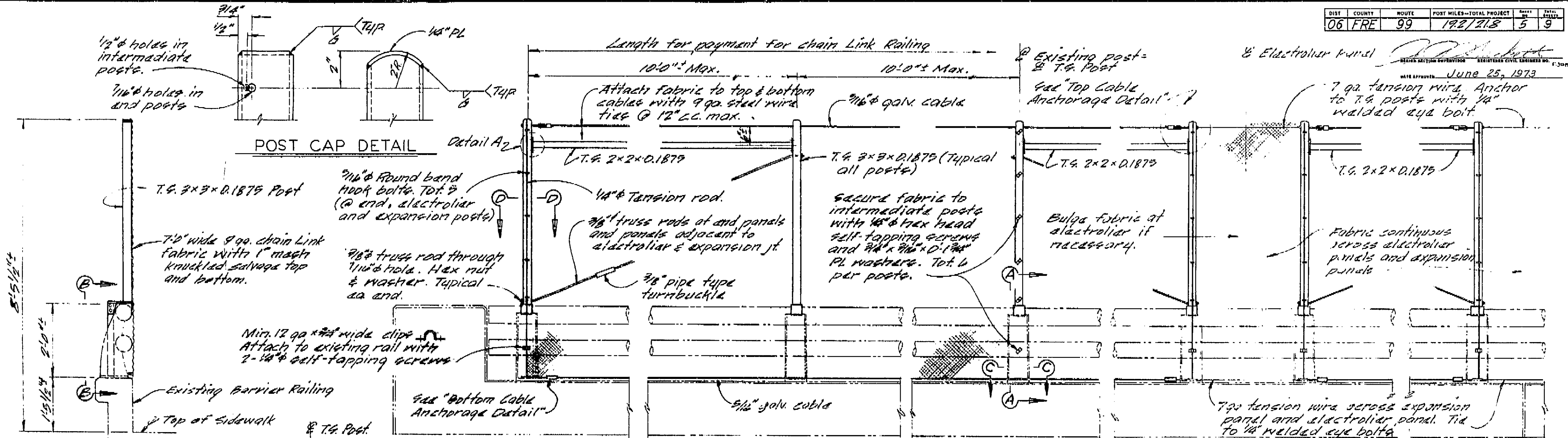
SIGNATURE [Signature]

DATE 6/23/75

SIGNATURE [Signature]



DATE APPROVED: June 25, 1973
 DESIGNED BY: M. Pohl
 CHECKED BY: J. A. Hanson
 DATE: 9/72



TYPICAL SECTION

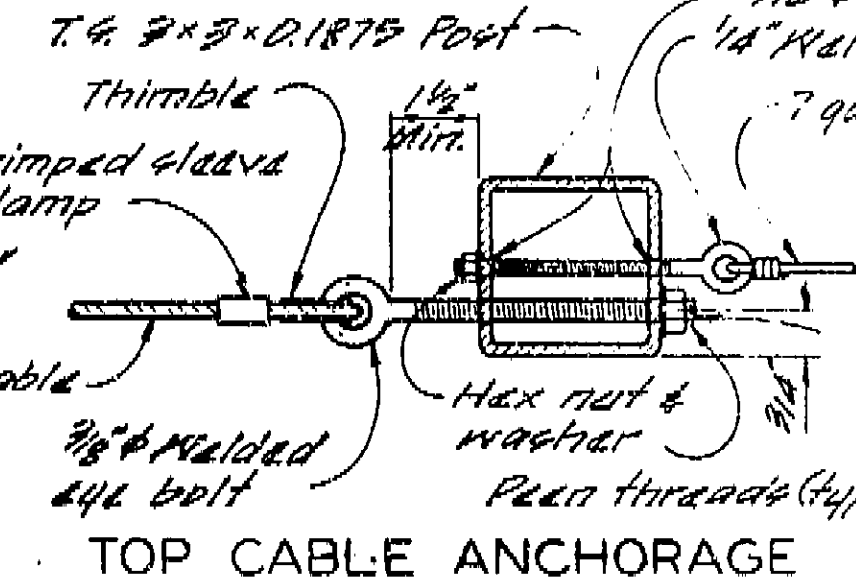
END PANEL

INTERMEDIATE PANEL

ELECTROLIER PANEL

EXPANSION PANEL

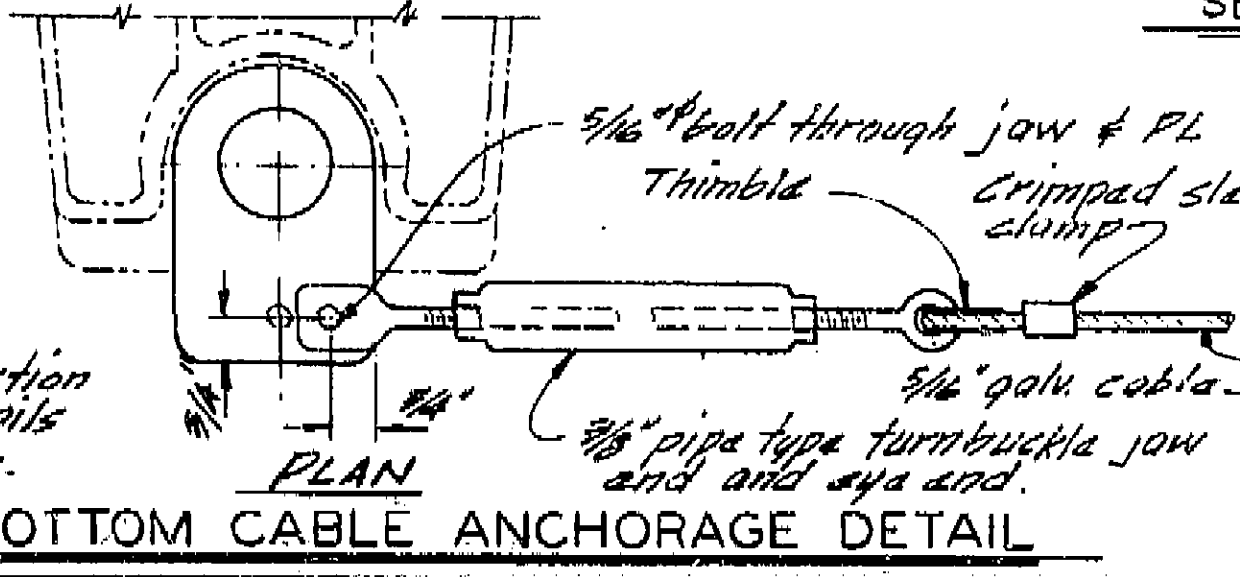
DETAIL A



DETAIL

SECTION C-C

SECTION D-D



Note:
 See Section C-C for details not shown.

- Notes:**
1. Railing assembly except chain link fabric to be galvanized after fabrication.
 2. When railing is on slope, chain link fabric shall be placed parallel to slope.
 3. Post extensions and chain link fabric shall conform to horizontal and vertical alignment. Post extensions shall be vertical. Horizontal pipes shall be bent if radius is 150 ft. or less and may be on 10 ft. chords if radius is over 150 ft.
 4. Paint all exposed bolts.
 5. Provide thimbles at all cable loops.
 6. Existing structure shown thus:
 7. Alternative details may be submitted by Contractor for Engineers approval.

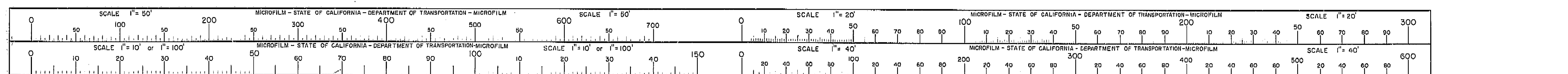
AS BUILT
 CORRECTIONS BY: F.W. Dowling
 CONTRACT NO. 06-125704
 DATE: 1/24/23

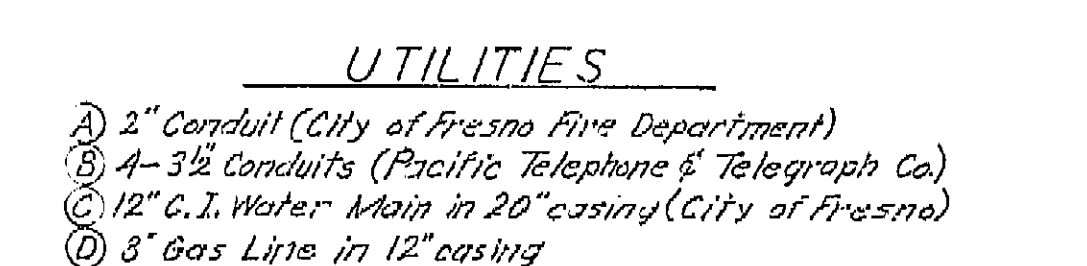
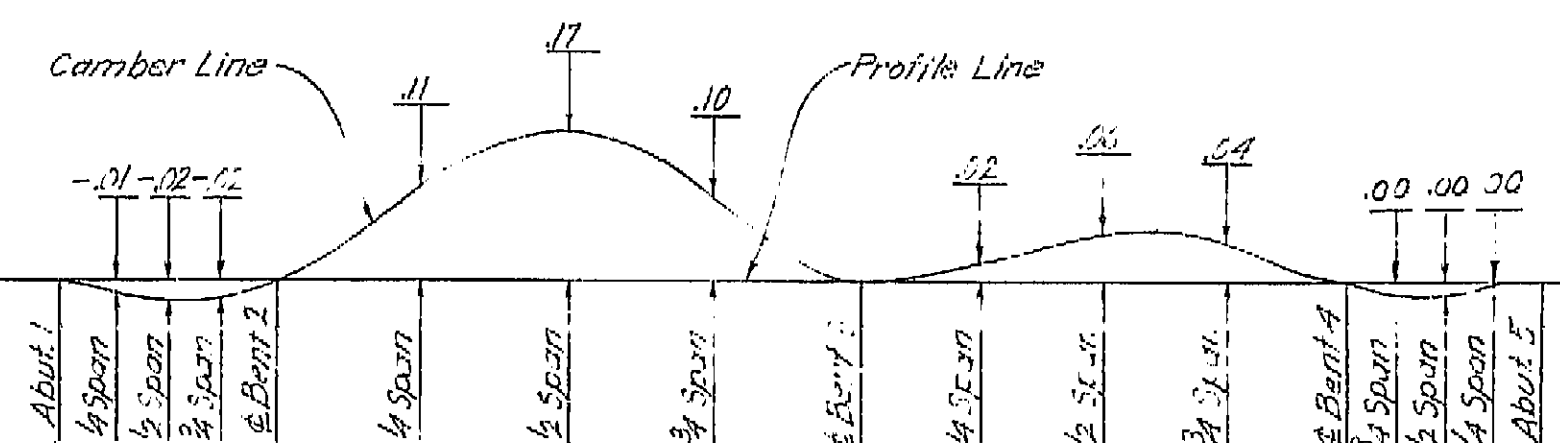
BRIDGE DEPARTMENT		DESIGN SECTION 13	
Project Engineer	M. Pohl	Checked	J. A. Hanson 9/72
Design	M. Pohl 8-72	Checked	M. Pohl 8-72
Details	M. Pohl 8-72	Checked	M. Pohl 8-72
Quantity	M. Pohl 9-72	Checked	M. Pohl 9-72

STATE OF CALIFORNIA BUSINESS AND TRANSPORTATION AGENCY DEPARTMENT OF TRANSPORTATION			
CALIFORNIA AVENUE OVERCROSSING RAILING MODIFICATION			
CHAIN LINK RAILING DETAILS			
BRIDGE NO.	42-217	POST MILE	19.80
DRAWING NO.	2	SHEET	2
REVISION DATES (PRELIMINARY STAGE ONLY)			

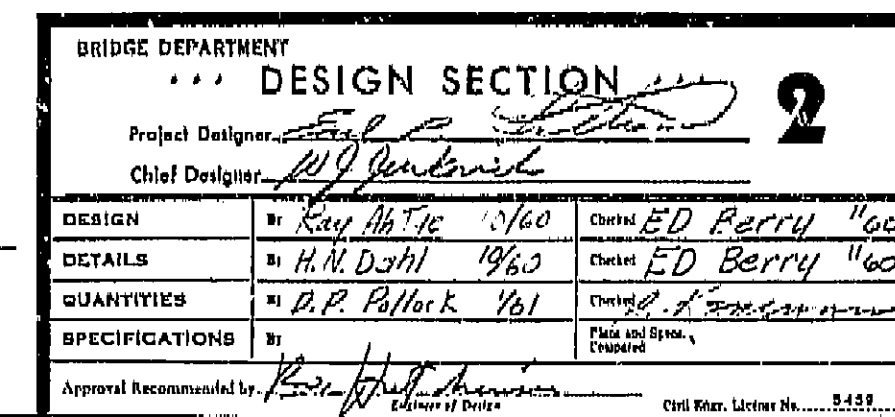
AS BUILT PLANS
 Contract No. 06-125704
 Date Completed
 Document No. 60006552

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.
 DATE: 6/23/75
 SIGNATURE: [Signature]
 TITLE: [Title]



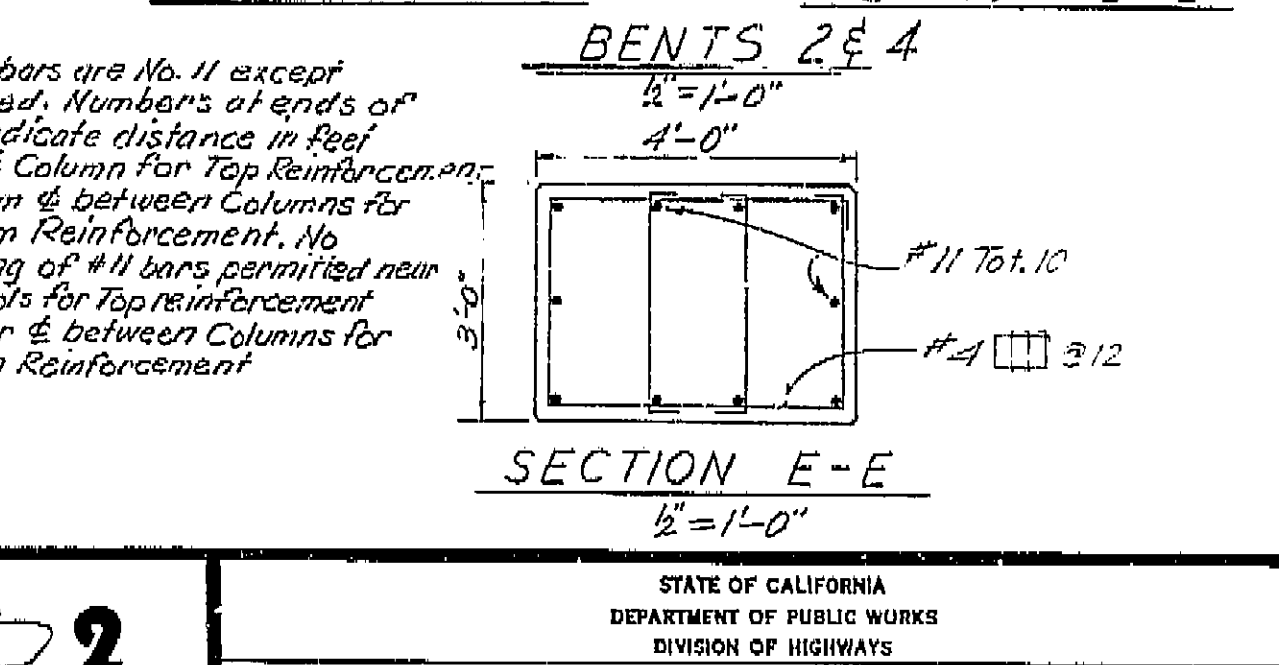
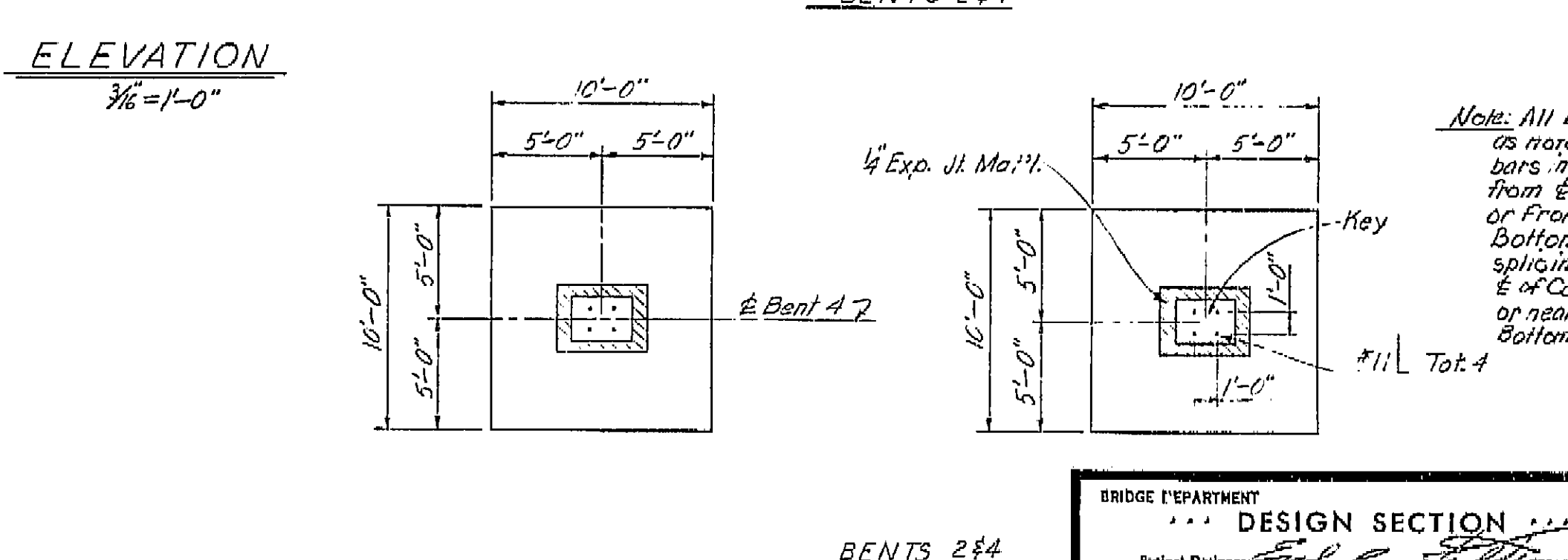
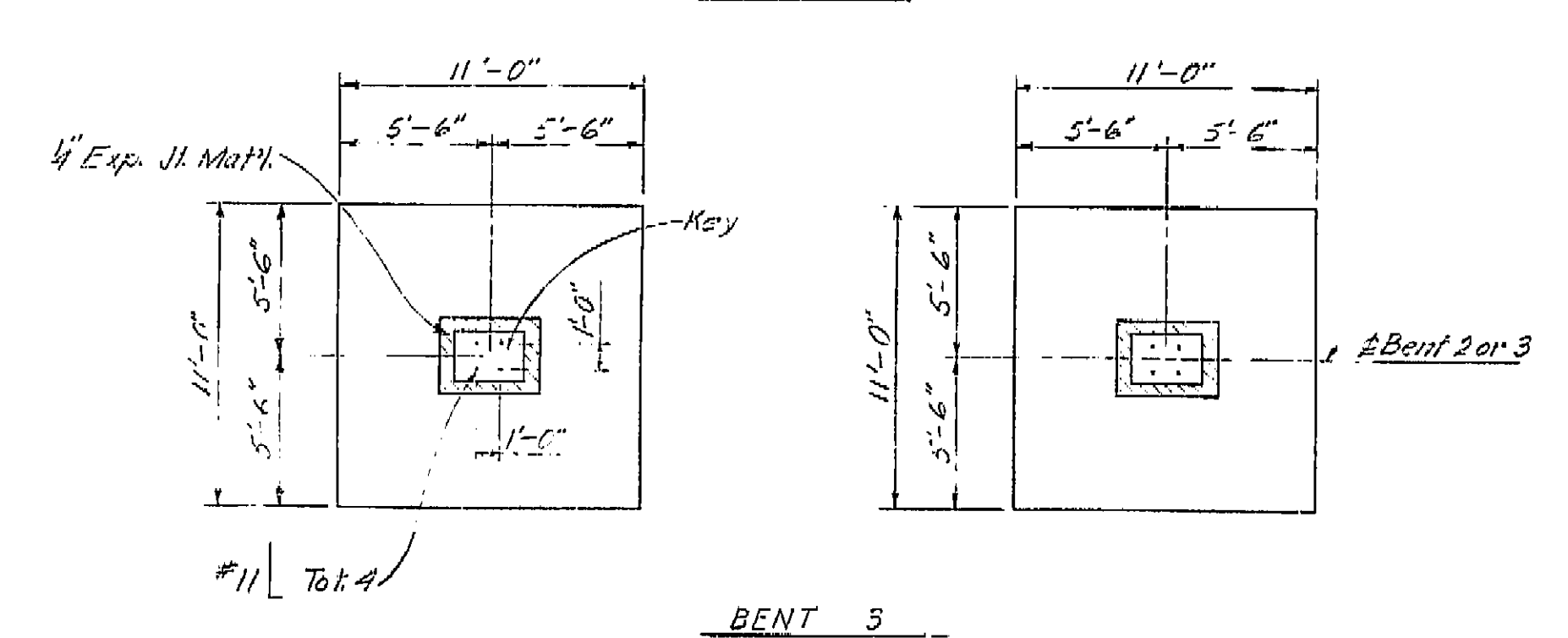
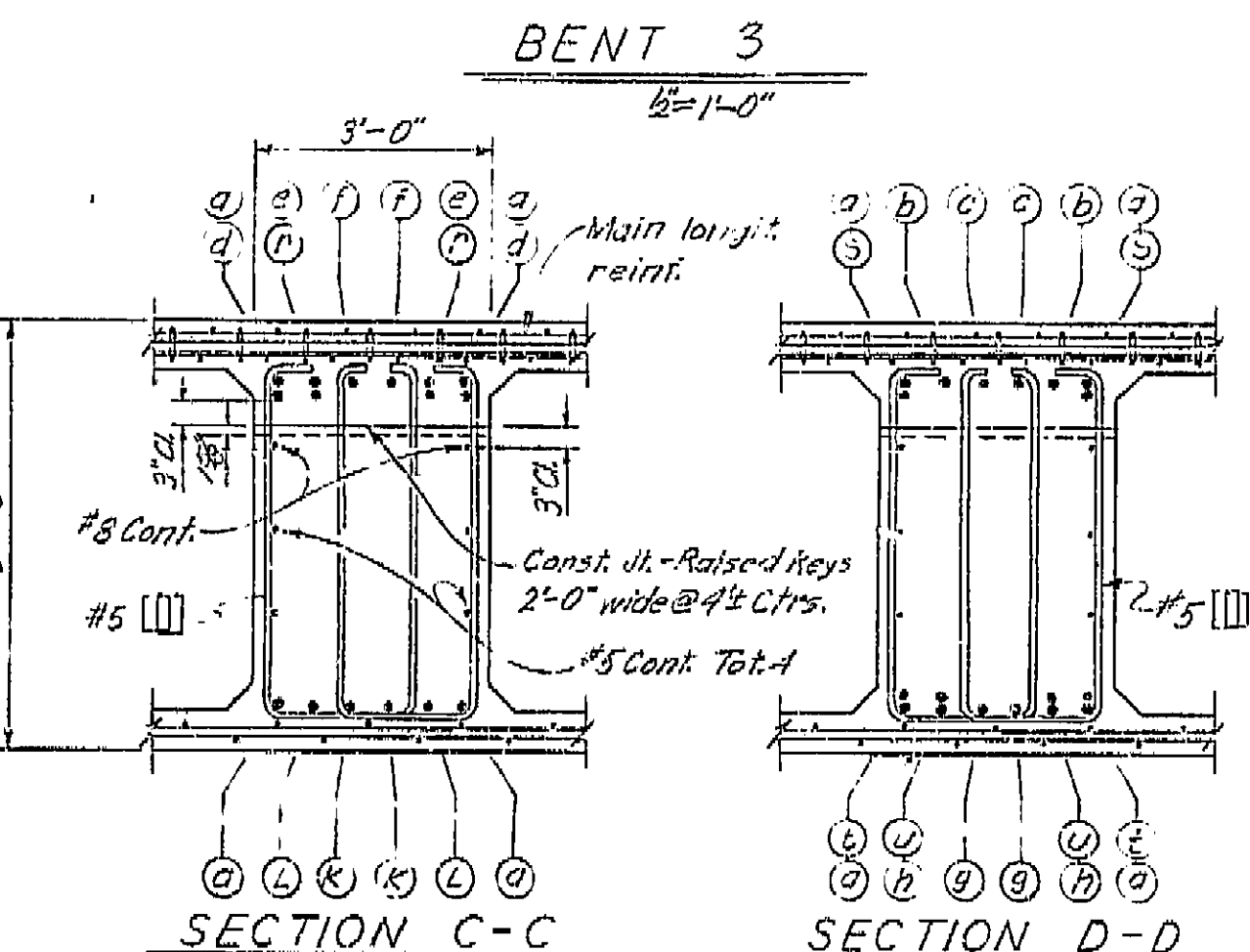
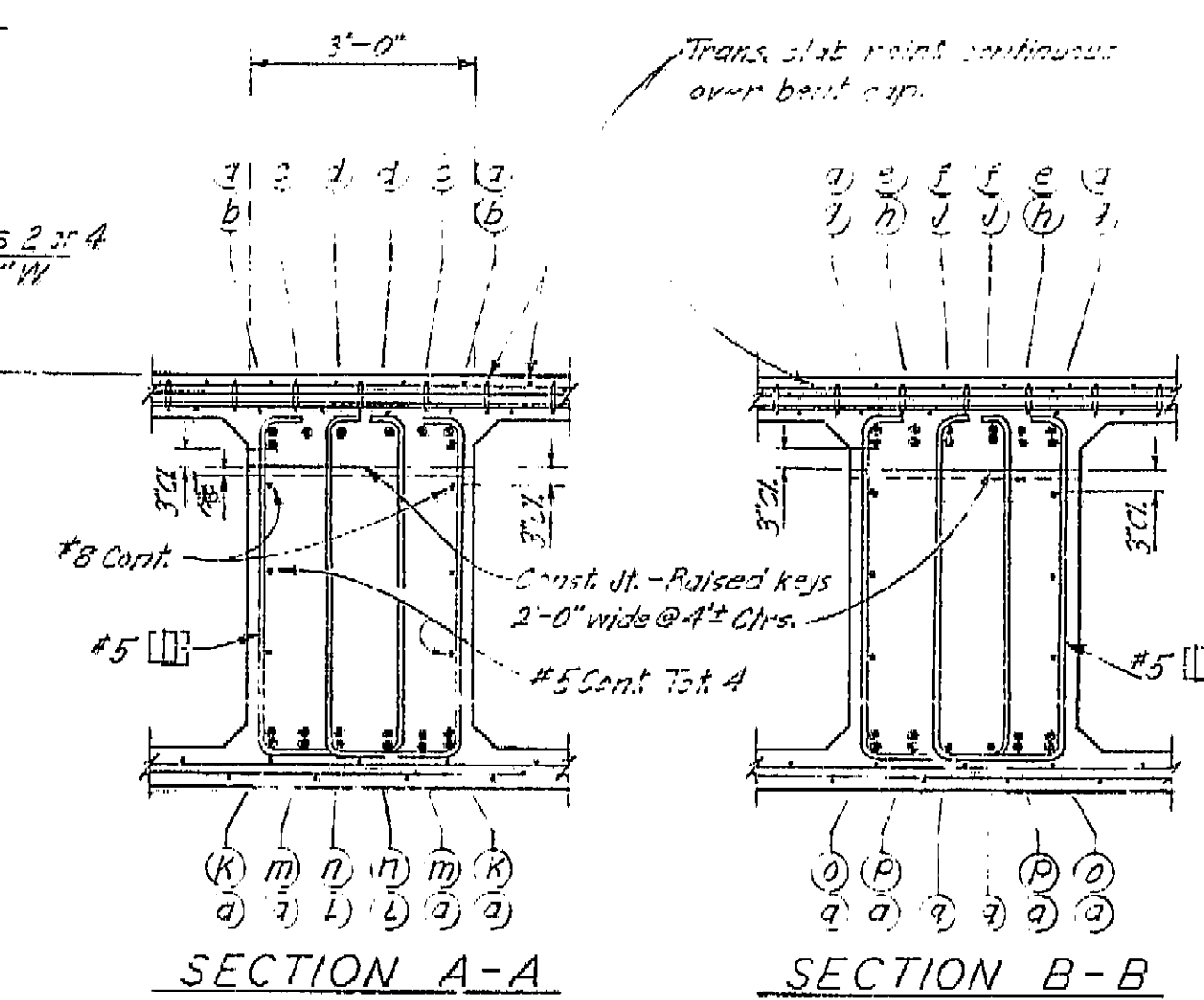
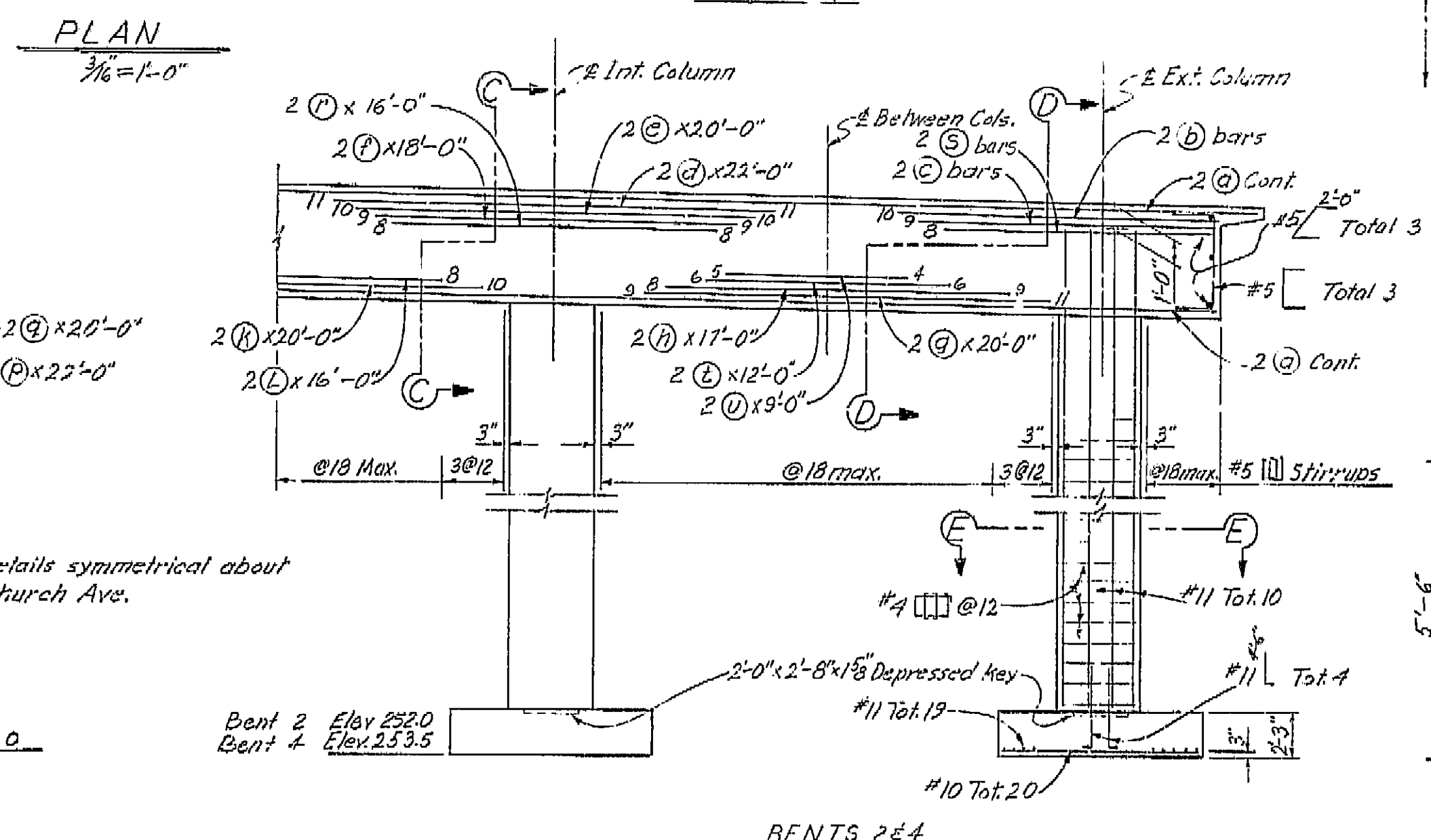
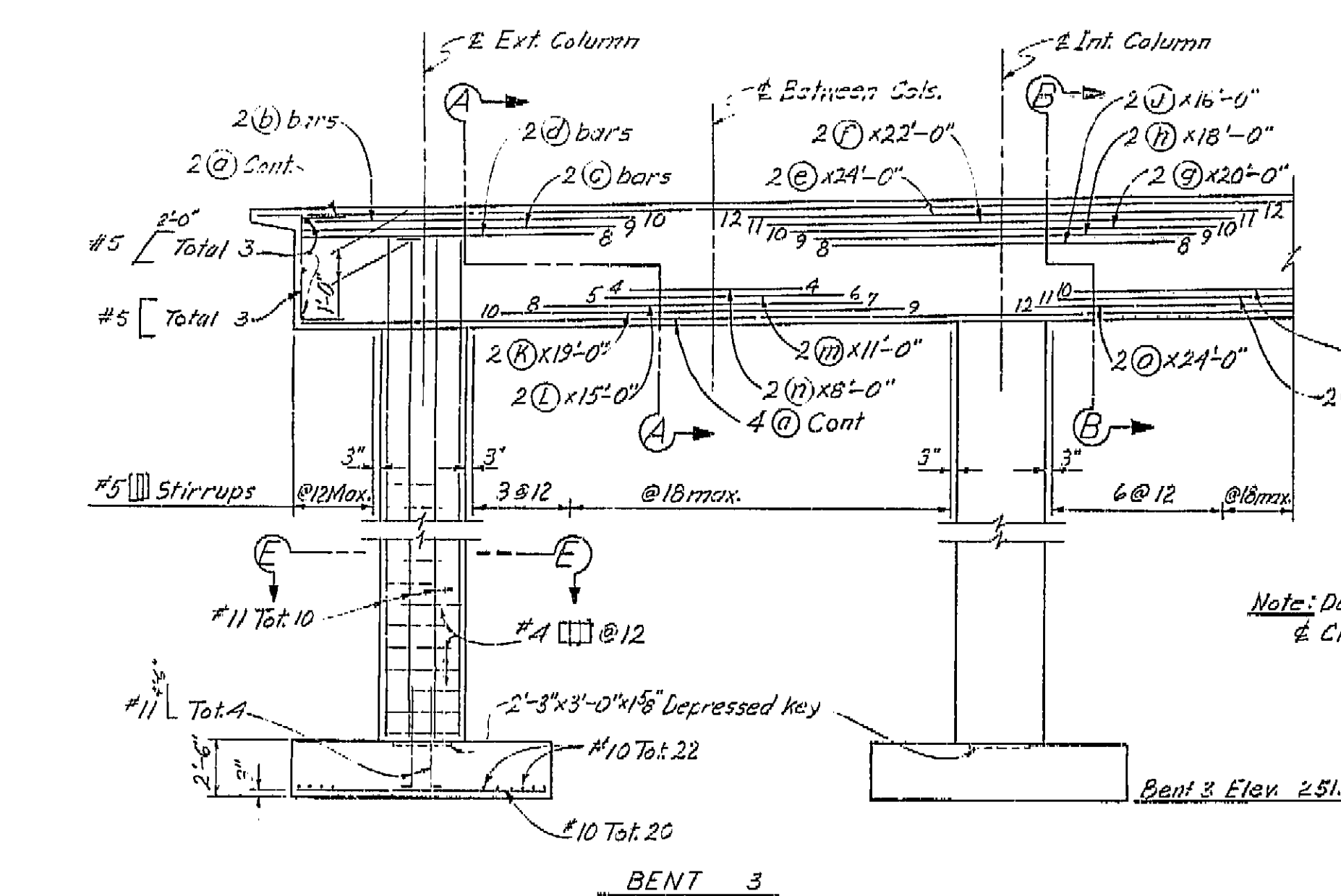
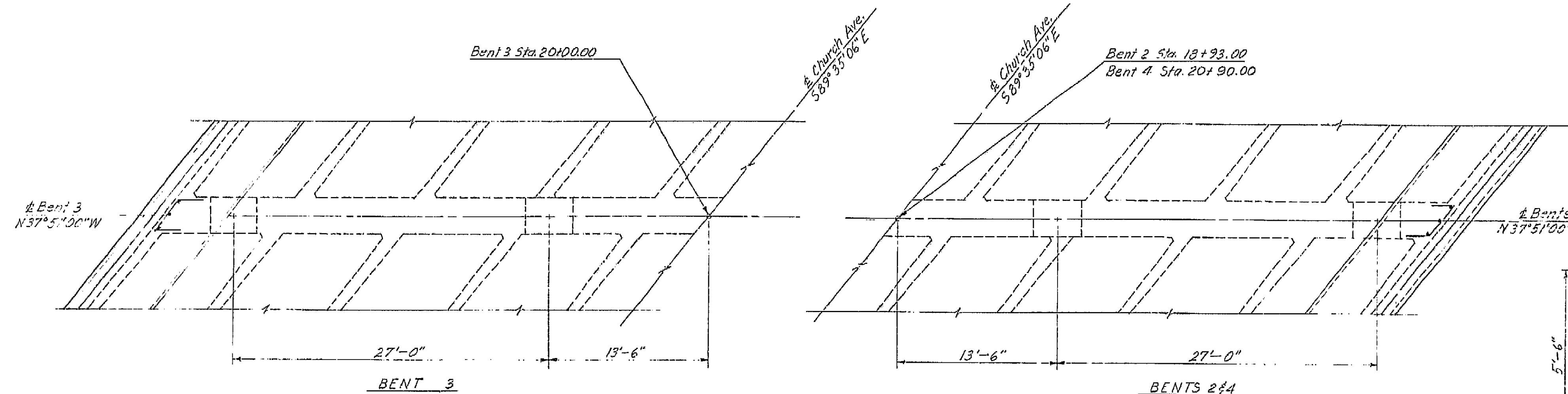


GIRDER LAYOUT
No Scale



STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS			
CHURCH AVENUE OVERCROSSING			
TYPICAL SECTION & GIRDER LAYOUT			
SCALE As Noted	BRIDGE 42-214	FILE	DRAWING C-42214-7

The image displays a series of graphical scales used for microfilm measurement. The scales are arranged in two rows. The top row includes a 1" = 50' scale (0 to 200 feet), a 1" = 50' scale (0 to 700 feet), a 1" = 20' scale (0 to 300 feet), and a 1" = 20' scale (0 to 300 feet). The bottom row includes a 1" = 10' or 1" = 100' scale (0 to 100 feet), a 1" = 10' or 1" = 100' scale (0 to 150 feet), a 1" = 40' scale (0 to 300 feet), and a 1" = 40' scale (0 to 600 feet). Each scale is labeled with its respective ratio and the text 'MICROFILM - STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS - MICROFILM'.



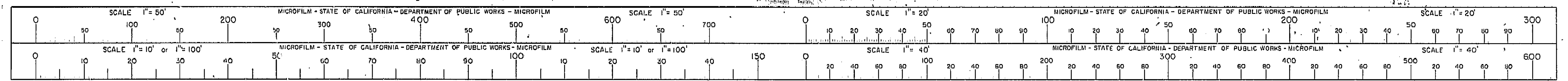
AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

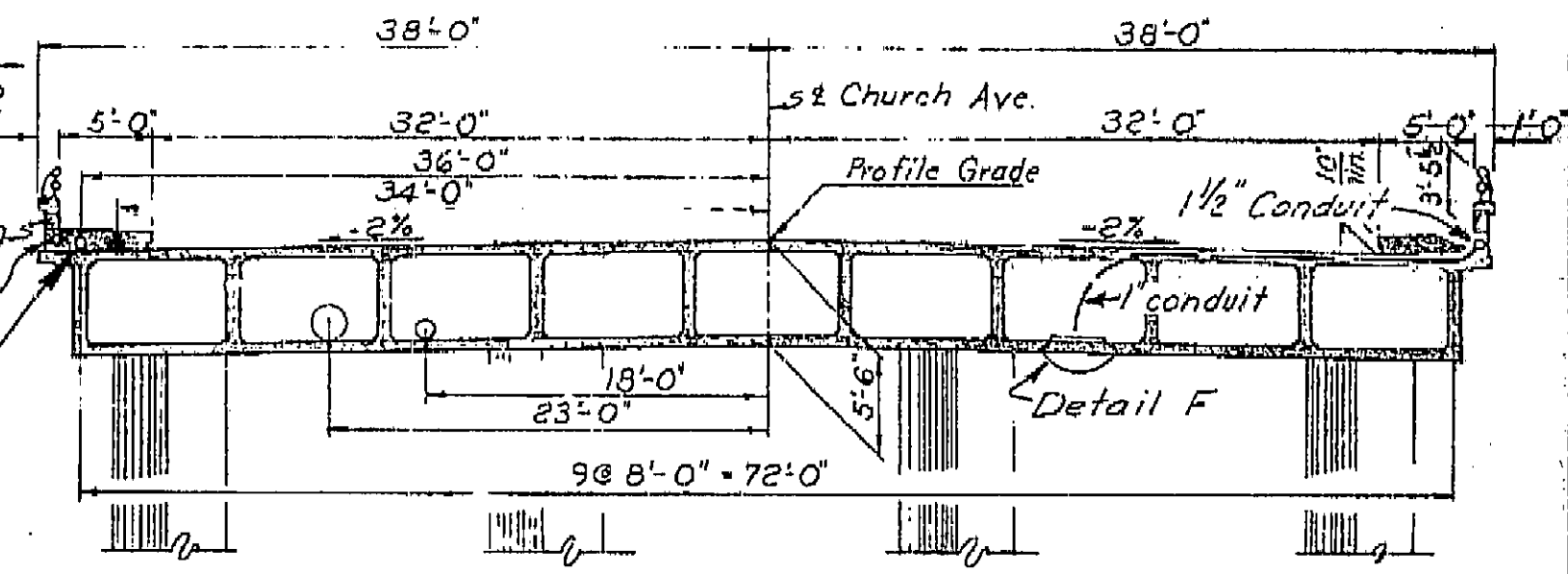
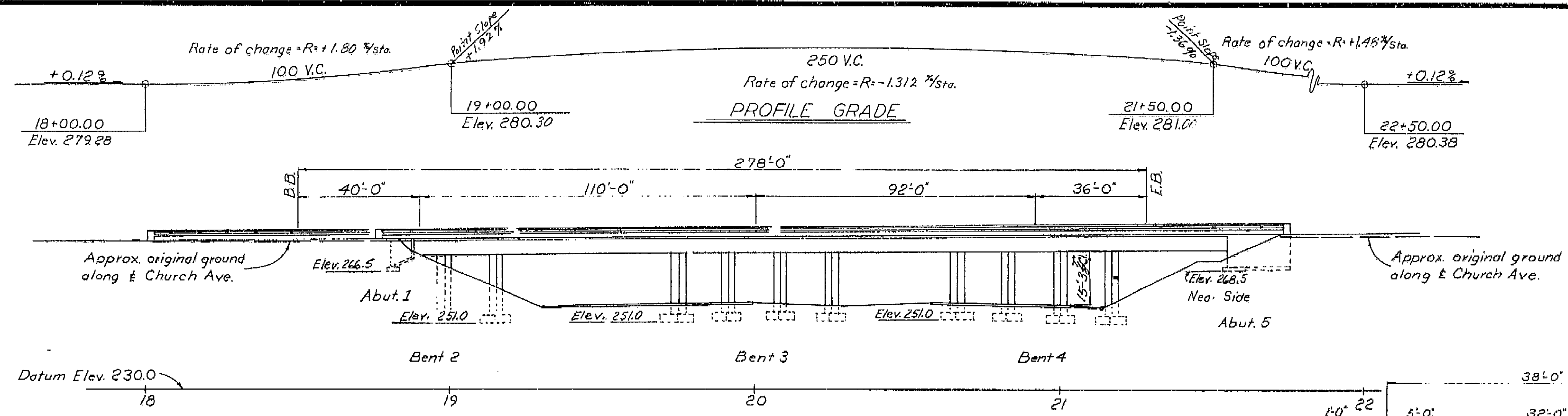
FOOTING PLAN
3/8"=1'-0"

BRIDGE DEPARTMENT			
DESIGN SECTION 2			
Project Designer: <i>Paul H. Dahl</i>			
Chief Designer: <i>Ed Berry</i>			
DESIGN	By: <i>Ray M. Hite</i>	10/60	Checked: <i>ED Berry</i>
DETAILS	By: <i>H.N. Dahl</i>		Checked: <i>ED Berry</i>
QUANTITIES	By: <i>D.P. Pilloch</i>	1/61	Checked: <i>ED Berry</i>
SPECIFICATIONS	By: <i>Ray M. Hite</i>		Checked: <i>ED Berry</i>
Approval Recommended by: <i>Ray M. Hite</i>			

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS			
CHURCH AVENUE OVERCROSSING			
BENT DETAILS			
SCALE: As Noted	BRIDGE: 42-214	FILE:	DRAWING: C-42214-6
PREL. DRAWING NO. P-42214-8			

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 1-14-82 SIGNATURE *Ray M. Hite* TITLE *Chief Designer*

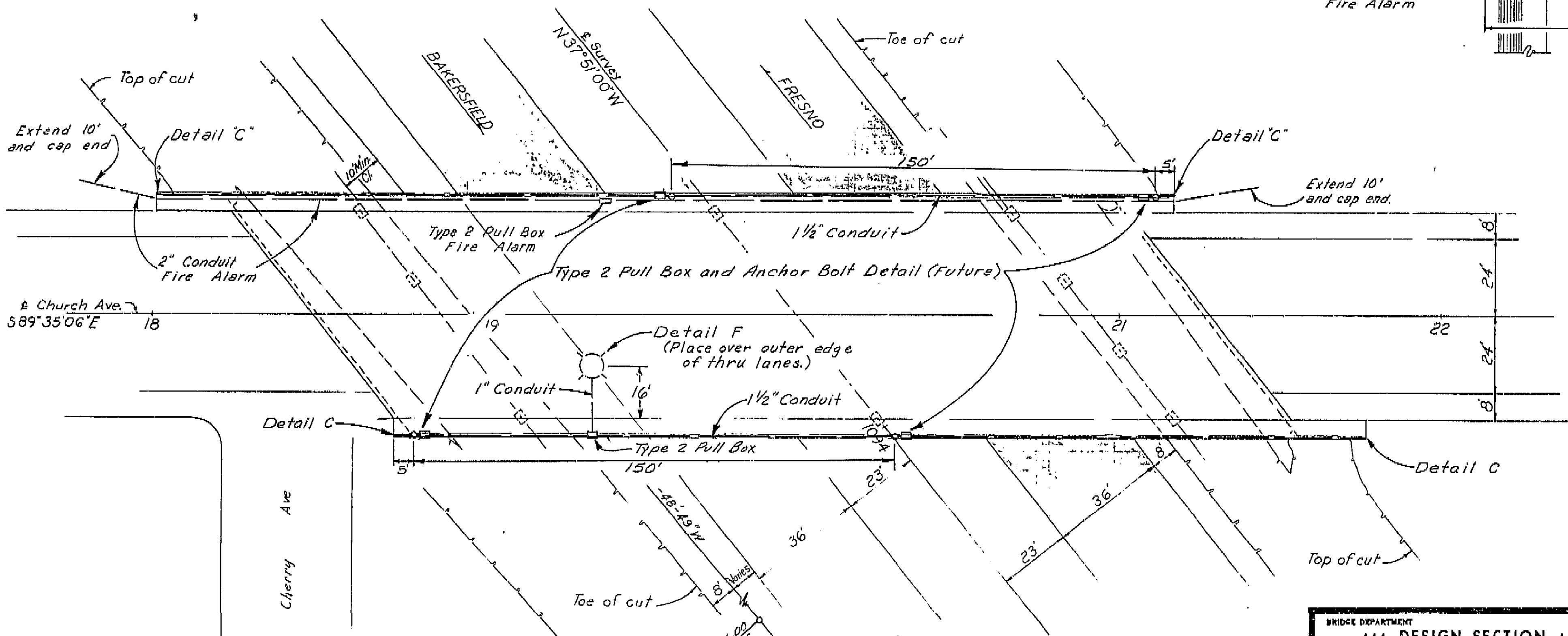




TYPICAL SECTION
8'-1'-0"

Note: This plan accurate for highway lighting only.

For additional notes see Sheet No. ES-7-4



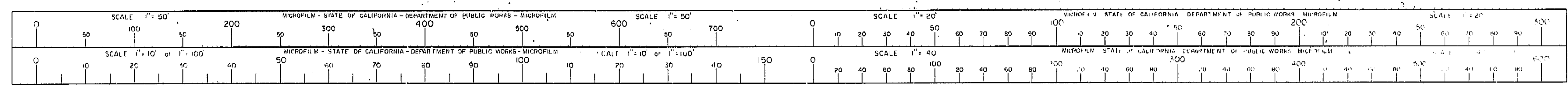
AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062

BRIDGE DEPARTMENT			
DESIGN SECTION 2			
Project Designer: _____			
Chief Designer: _____			
DESIGN	By Ray M. Tye	9/60	Checked
DETAILS	By M. Camacho	9/60	Checked
QUANTITIES	By _____		Checked
ELECTRICAL	By _____		Checked
Approval Recommended by: _____			
Representative of State: _____			
Did not Review: _____			

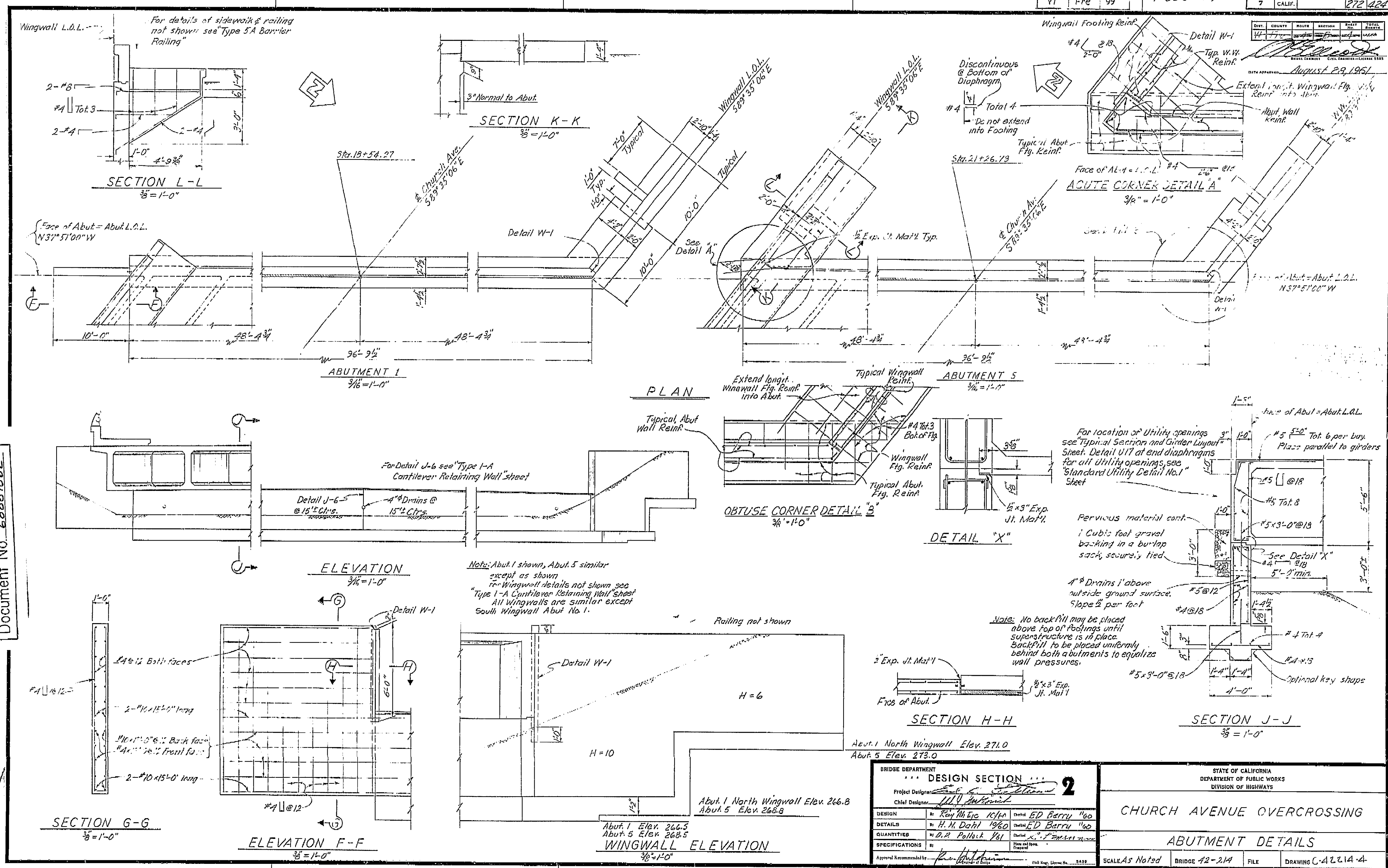
STATE OF CALIFORNIA			
DEPARTMENT OF PUBLIC WORKS			
DIVISION OF HIGHWAYS			
CHURCH AVENUE OVERCROSSING			
TO BE LOCATED AT THE SOUTH CITY LIMIT OF FRESNO			
LIGHTING PLAN			
SCALE As Noted	BRIDGE 42-214	FILE	DRAWING
PREL. DRAWING NO. P. 4224-1			

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE _____ SIGNATURE _____ TITLE _____



AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062



BRIDGE DEPARTMENT			
DESIGN SECTION 2			
Project Designer: <i>[Signature]</i>			
Chief Designer: <i>[Signature]</i>			
DESIGN	By: <i>Rev. M. L. L. 10/10</i>	Checked: <i>ED Barry 11/60</i>	
DETAILS	By: <i>H. N. Dahl 10/60</i>	Checked: <i>ED Barry 11/60</i>	
QUANTITIES	By: <i>D. R. Pollock 10/61</i>	Checked: <i>[Signature]</i>	
SPECIFICATIONS	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	
Approval Recommended by: <i>[Signature]</i>			

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

CHURCH AVENUE OVERCROSSING

ABUTMENT DETAILS

SCALE: As Noted

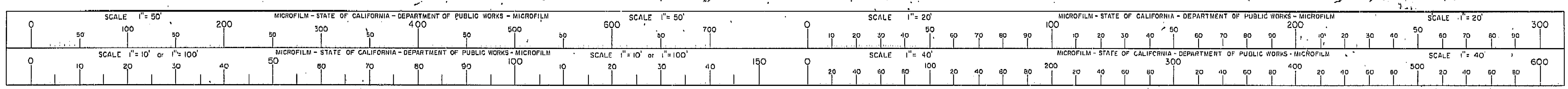
BRIDGE: 42-214

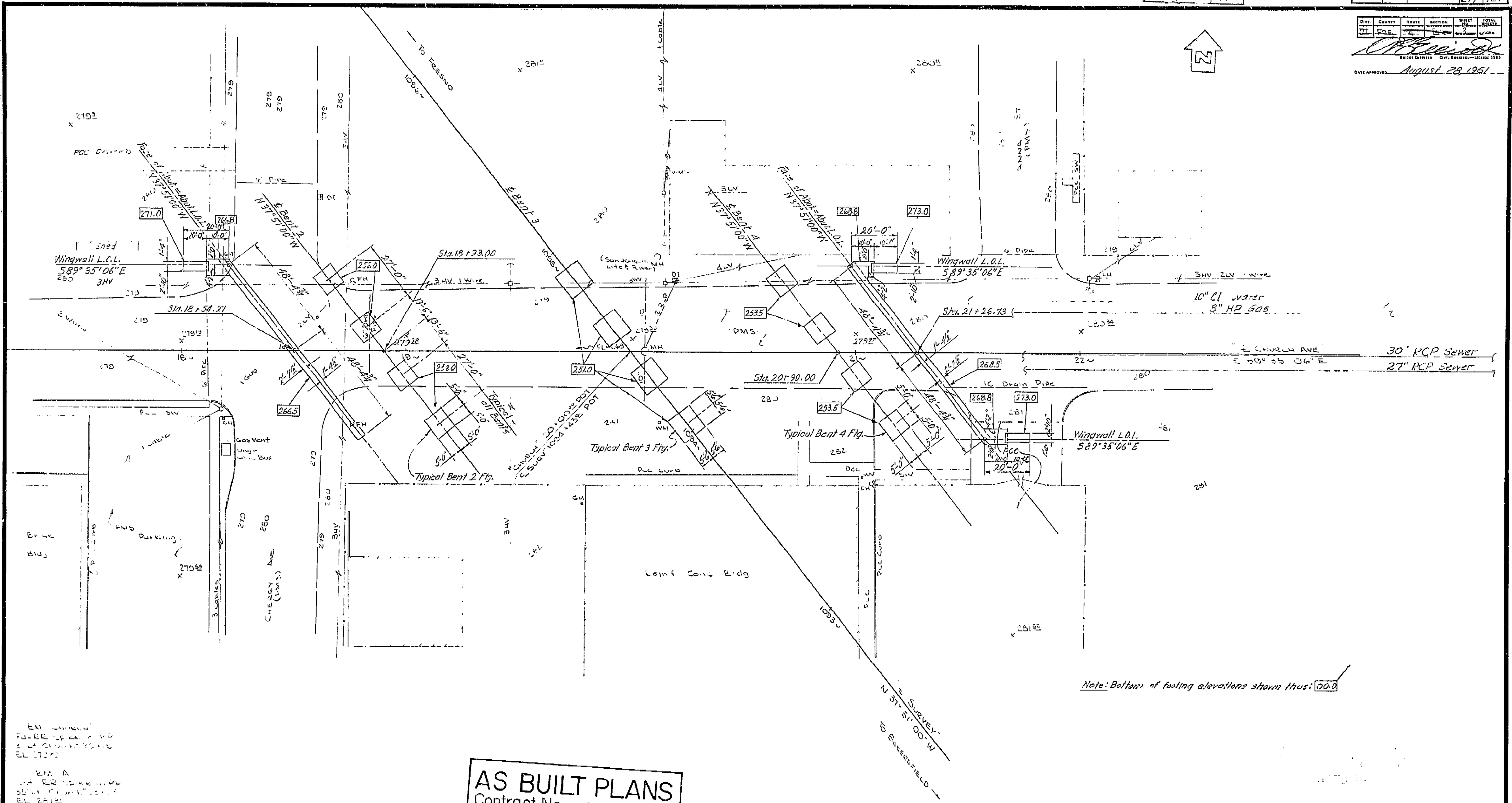
FILE: DRAWING: C-42214-4

PREL. DRAWING No. P-42-214-6

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE: 1-11-62 SIGNATURE: *[Signature]* TITLE: *[Title]*





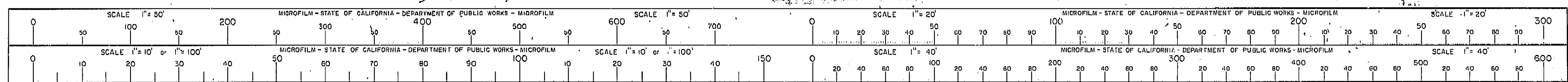
Note: Bottom of footing elevations shown thus: 100.0

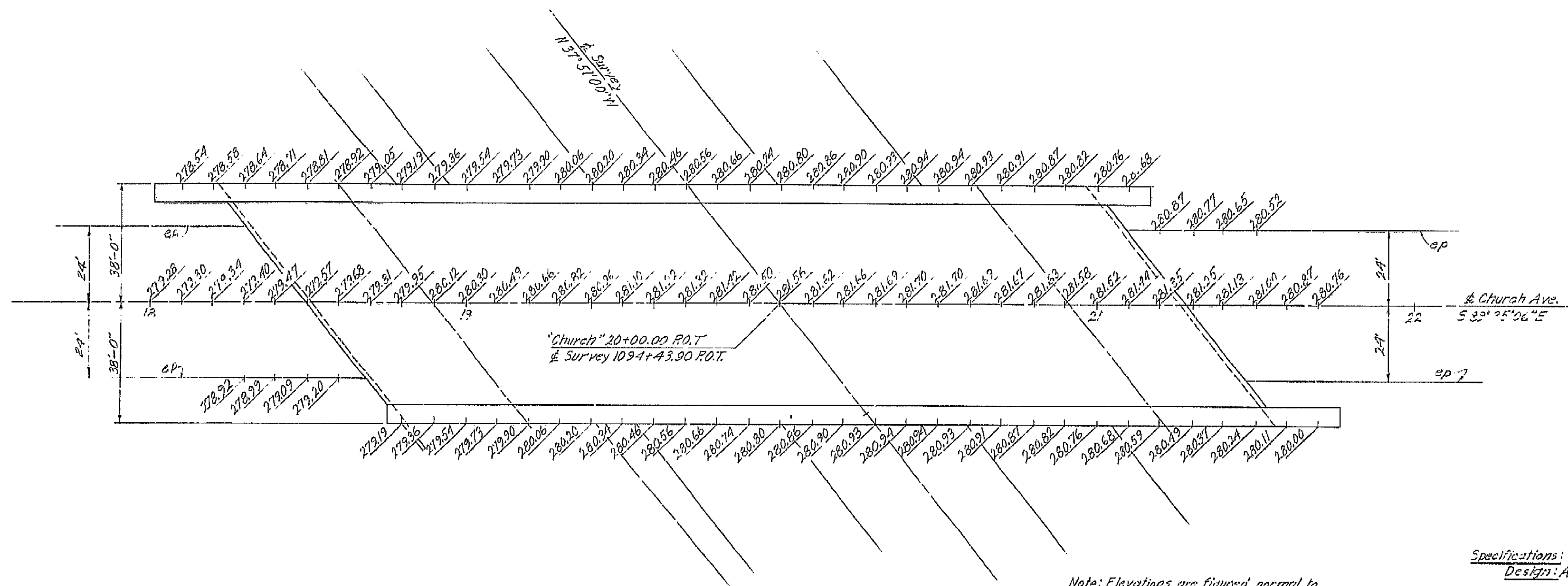
ENCL. 1
FOR ALPHABETICALLY
INDEXED DRAWINGS
SEE LISTING
EL 17.12
ENCL. 2
FOR ALPHABETICALLY
INDEXED DRAWINGS
SEE LISTING
EL 21.12

AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

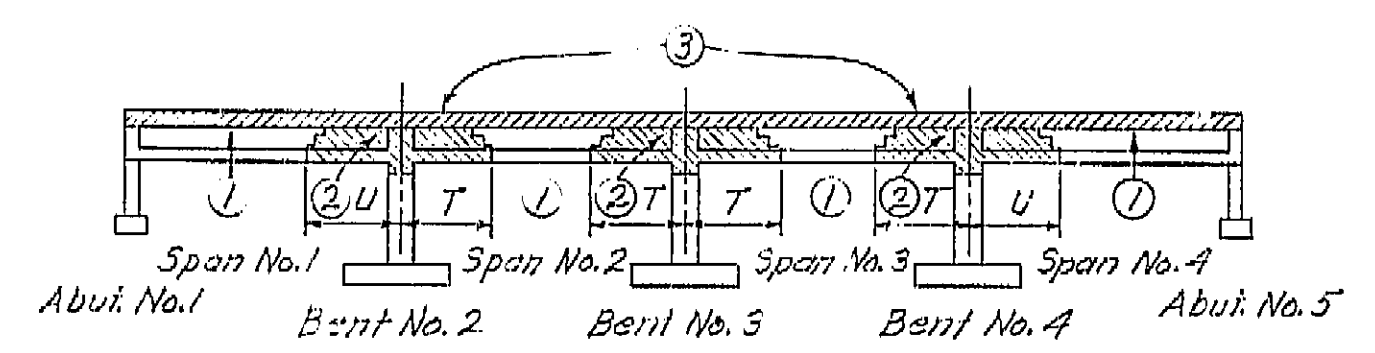
BRIDGE DEPARTMENT DESIGN SECTION 2		STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
Section Supervisor: <i>W.D. McNeil</i>		CHURCH AVENUE OVERCROSSING	
DESIGN: <i>W.D. McNeil</i>		FOUNDATION PLAN	
DETAILS: <i>E.D. Berry</i>		SCALE 1" = 20'	
QUANTITIES: <i>D.P. Pollack</i>		BRIDGE 42-214	
		FILE 42-214	
		DRAWING C-42214-3	

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 1-11-72 SIGNATURE *James C. Little* TITLE *Asst. Dir.*





Note: Elevations are figured normal to
Church Ave. at 10' stations
Elevations do not include Camber



BOX GIRDER SUPERSTRUCTURE PLACING DIAGRAM

Numbers (1) and (2) indicate sequence of placing bottom slab and girder stem concrete. (2) may be placed simultaneously with (1) when approved by the Engineer; and provided that the (1) sections are placed in adjoining spans.
Top slab concrete (3) shall be placed separately from (1) and (2). (3) may be placed continuously or in parts as approved by the Engineer; however the only joints permitted shall be located within 2'-0" of the girder joints between (1) and (2).
T = 1/2 span length
L = 1/4 span length
For any deviation from this above the contractor shall submit a diagram to the Engineer.

GENERAL NOTES

- Specifications:
Design: A.A.S.H.O. dated 1957 with revisions and as supplemented by Bridge Planning and Design Manual.
- Construction: Standard Specifications, Division of Highways, dated January 1960 and the Special Provisions.
- Live Loading: H20-S16-44 and Alternative
- Unit Stresses:
Reinforced Concrete: $f_s = 20,000$ P.S.I., $N=10$
 $f_c = 4,200$ P.S.I.
- Footing Pressure: 3 1/2 tons P.S.F. @ Bents
1 ton P.S.F. @ Abuts.

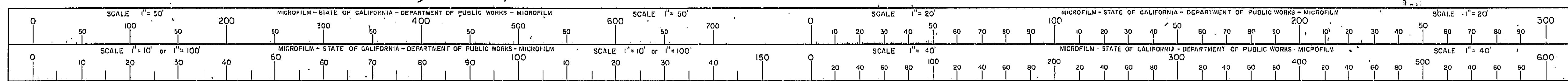
270

AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062

BRIDGE DEPARTMENT DESIGN SECTION Project Designer: [Signature] Chief Designer: [Signature]		STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
DESIGN: [Signature] 10/60 DETAILS: [Signature] 11/60 QUANTITIES: [Signature] 1/61 SPECIFICATIONS: [Signature]		CHURCH AVENUE OVERCROSSING GRID OF DECK ELEVATIONS	
Approved Recommended By: [Signature] Civil Engr. License No. 3439		SCALE 1"=20' BRIDGE 42-214 FILE DRAWING C-42214-2	

PREL. DRAWING No. P-42-214-10/60 11/60 1/61

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 1-12-62 SIGNATURE [Signature] TITLE [Signature]



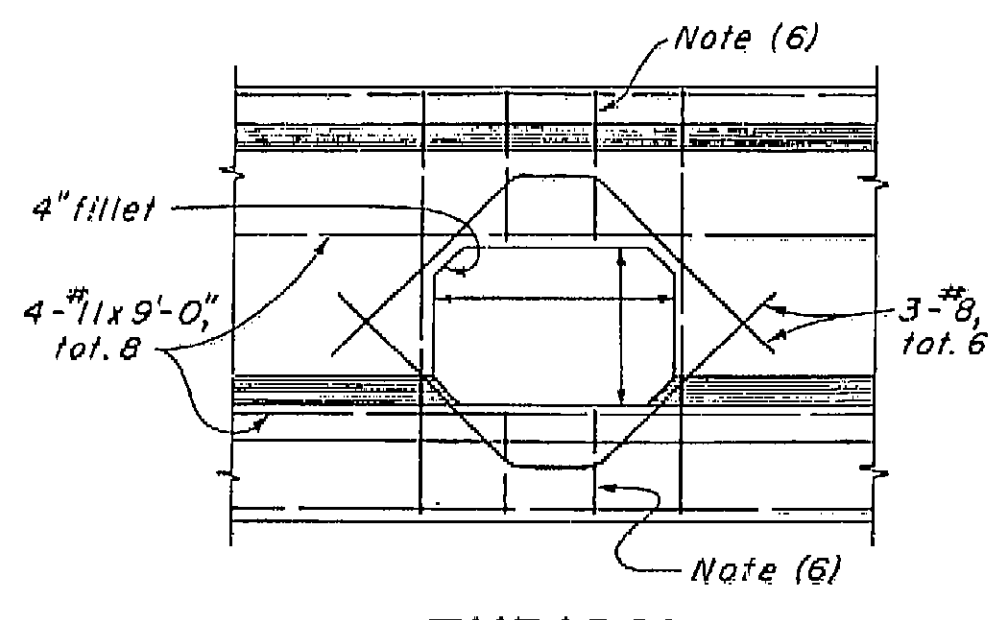
STANDARD DRAWING
REVISIONS
DATE
BY
CHECKED
APPROVED

BRIDGE DEPARTMENT
STATE OF CALIFORNIA
DIVISION OF HIGHWAYS

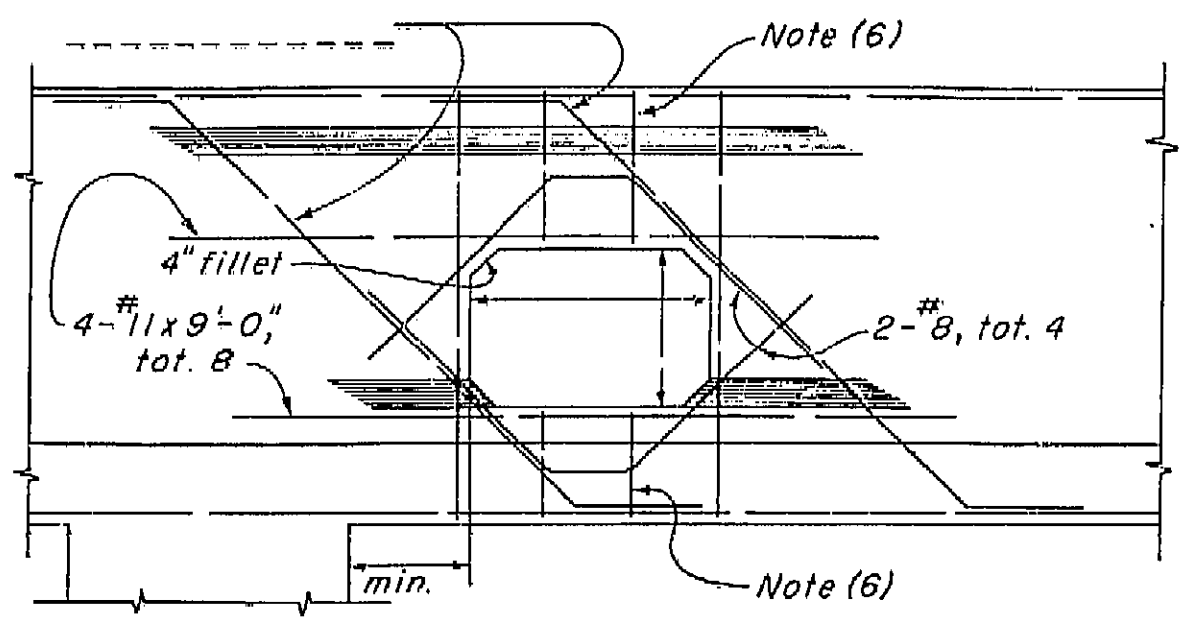
AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

278

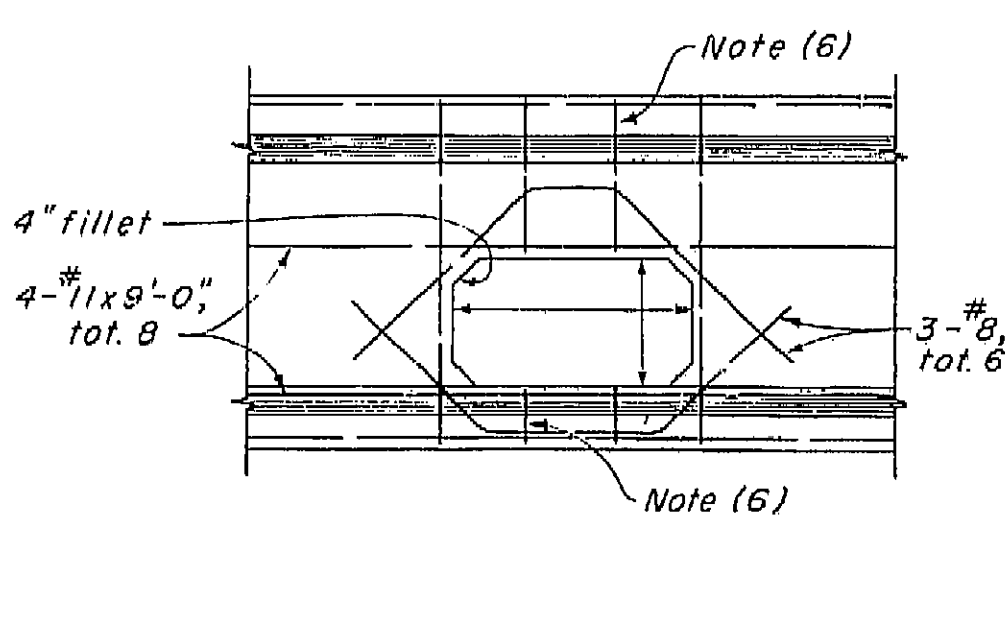
August 28, 1961



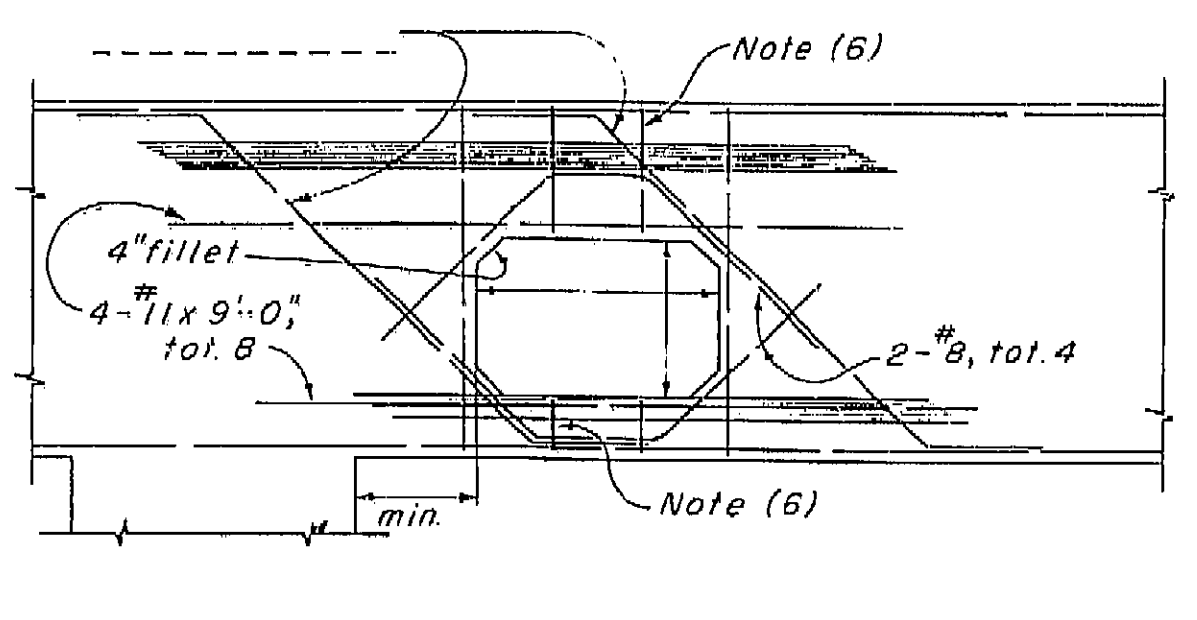
TYPICAL
DETAIL U1



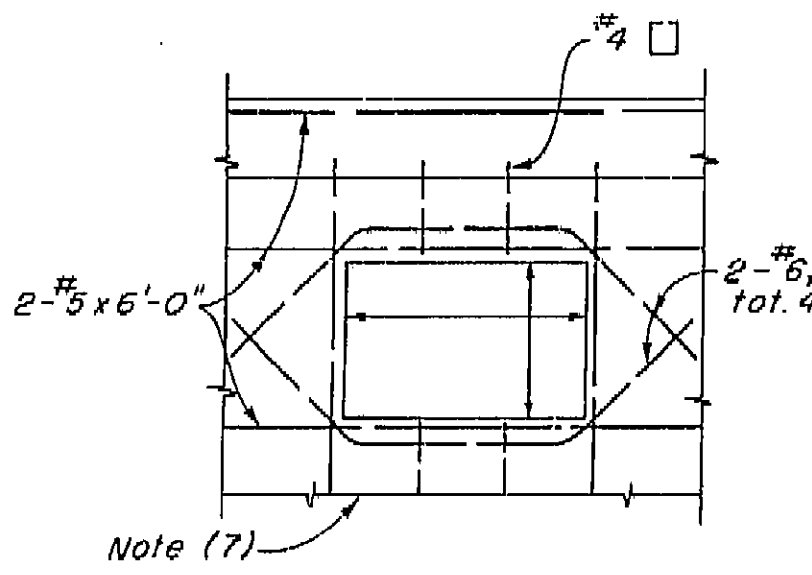
NEAR COLUMN
DETAIL U2



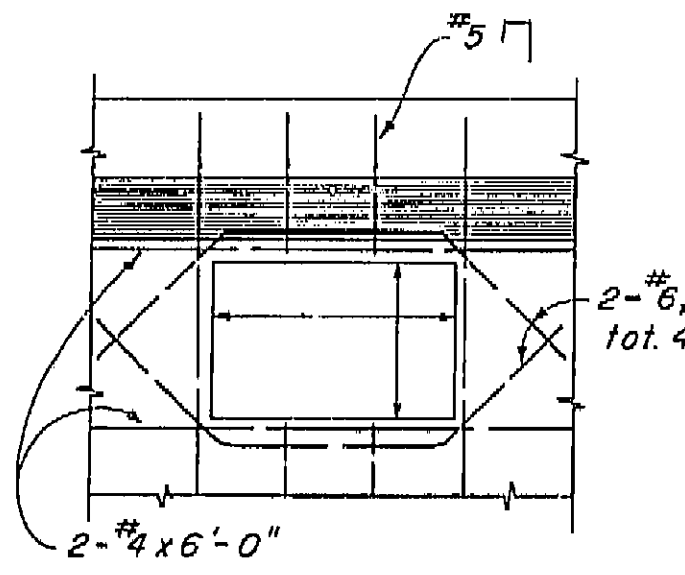
TYPICAL
DETAIL U3



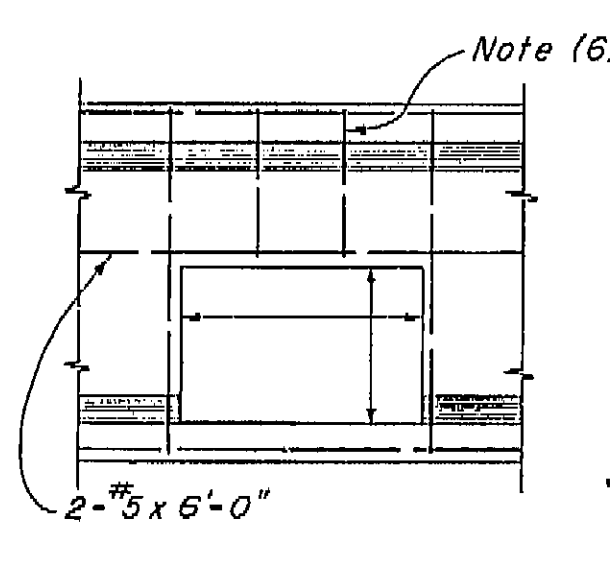
NEAR COLUMN
DETAIL U4



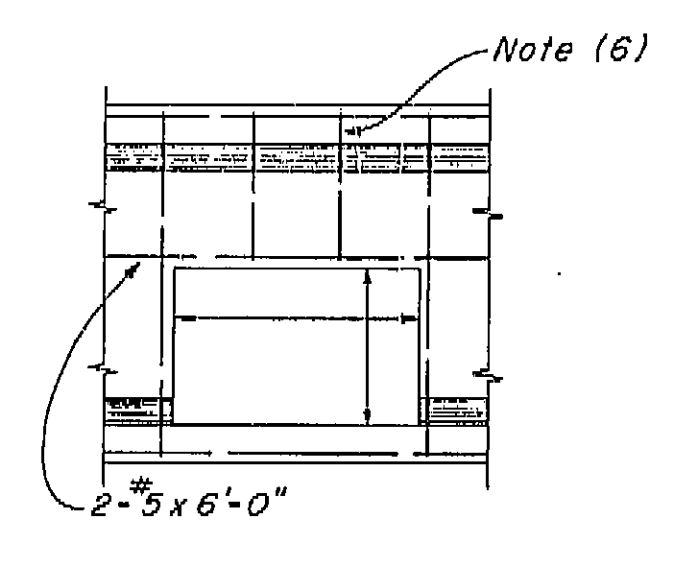
RIGID FRAME
DETAIL U5



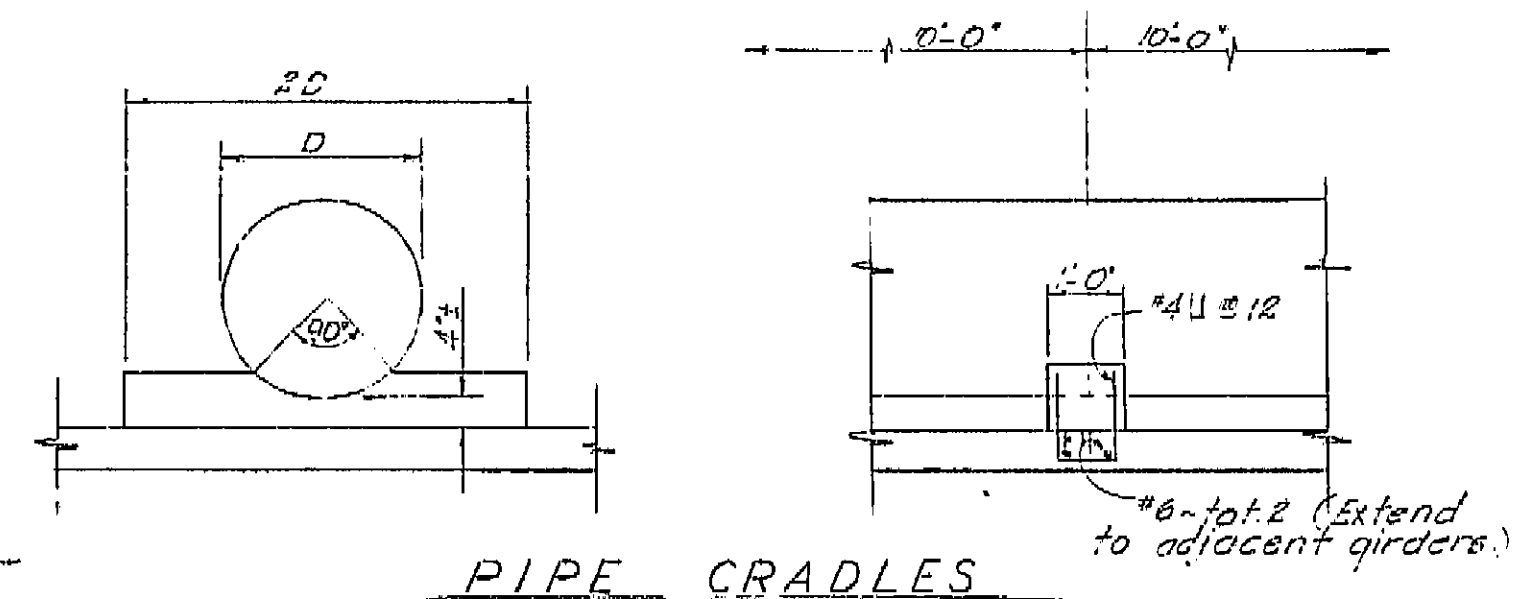
CANTILEVER TYPE
DETAIL U6



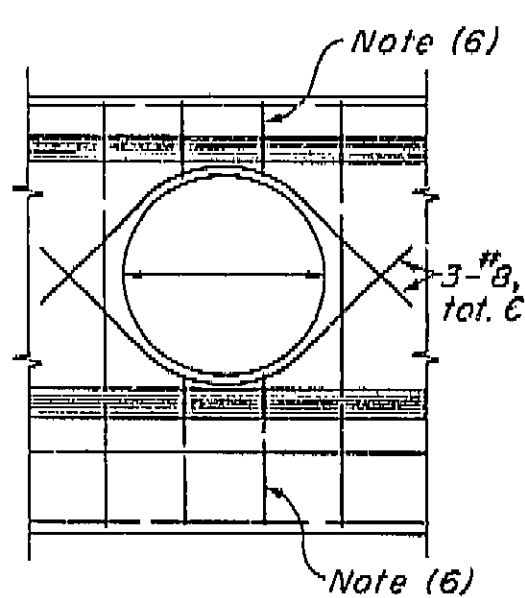
END
DETAIL U7



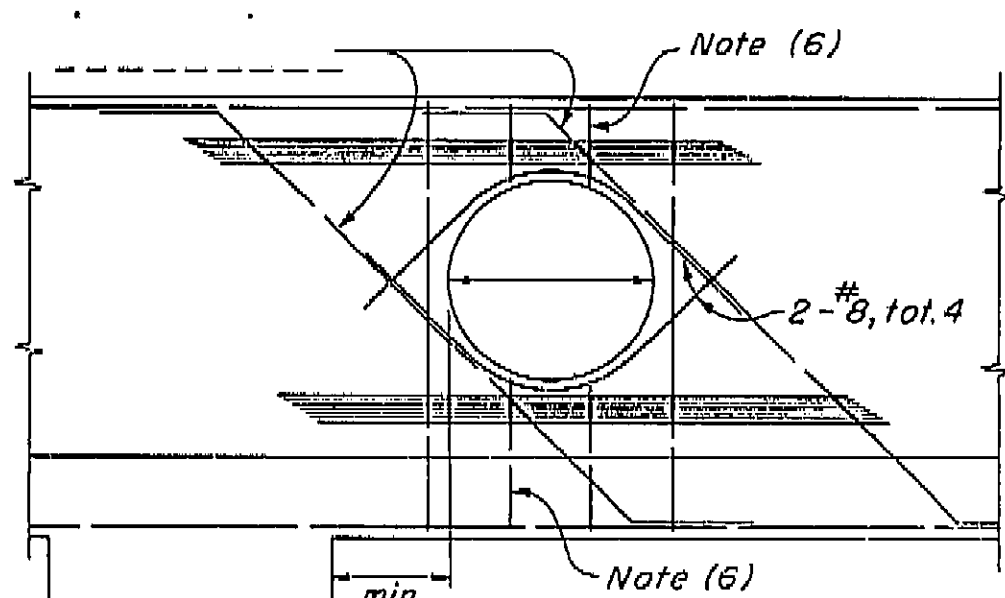
INTERMEDIATE
DETAIL U8



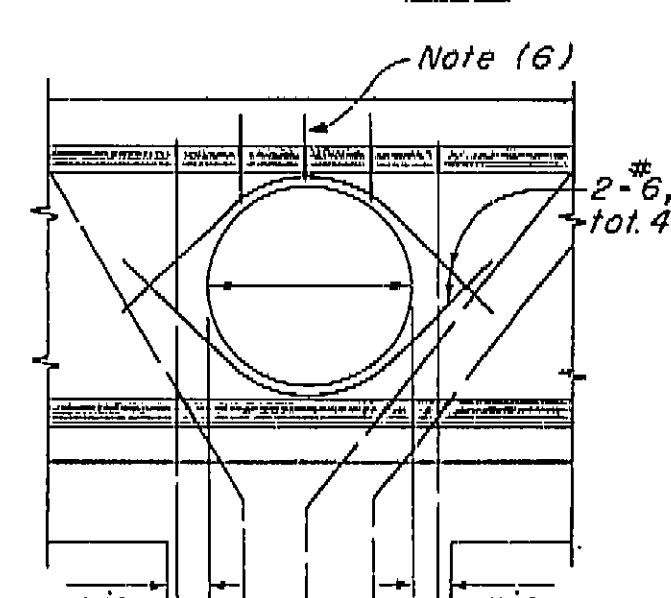
PIPE CRADLES



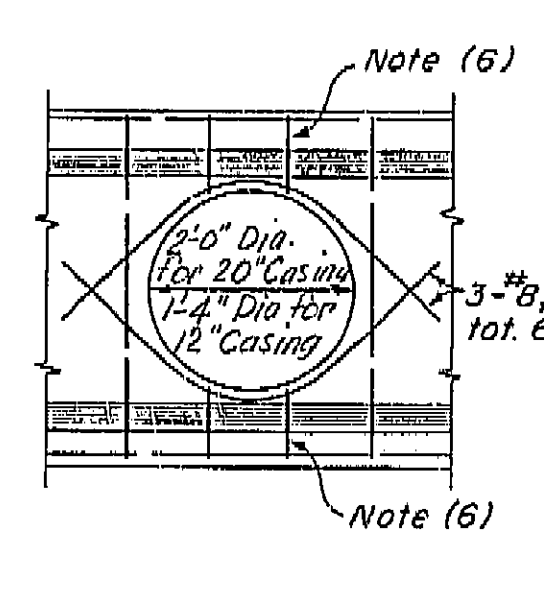
TYPICAL
DETAIL U9



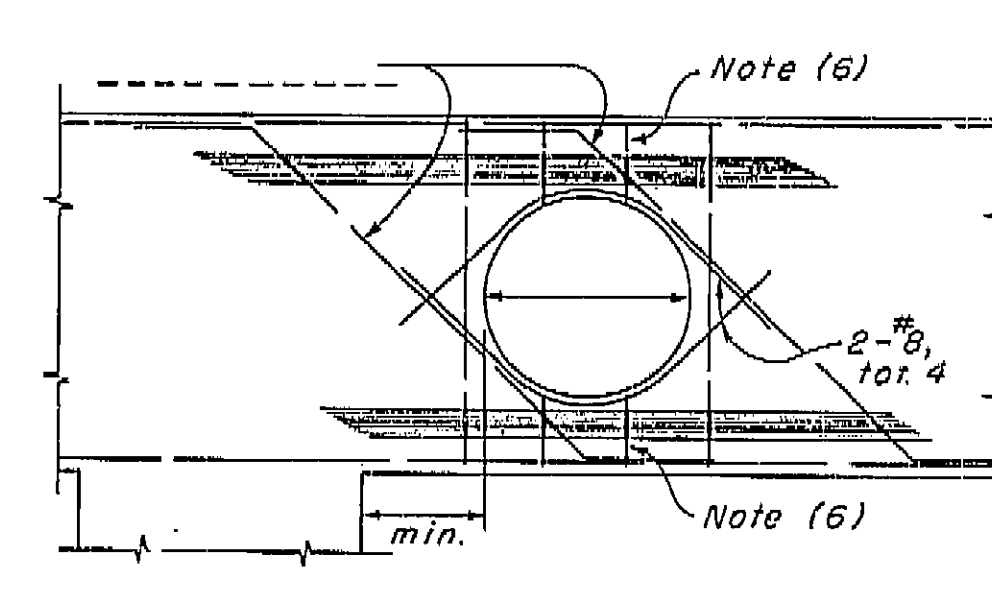
NEAR COLUMN
DETAIL U10



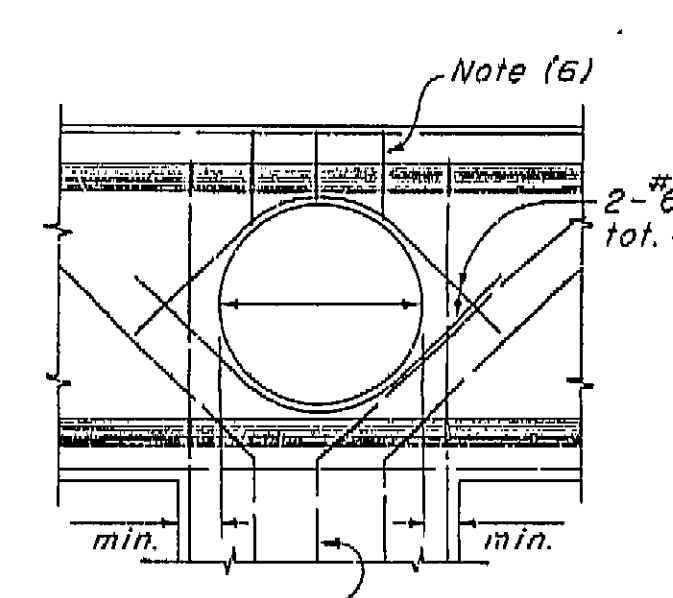
AT COLUMN
DETAIL U11



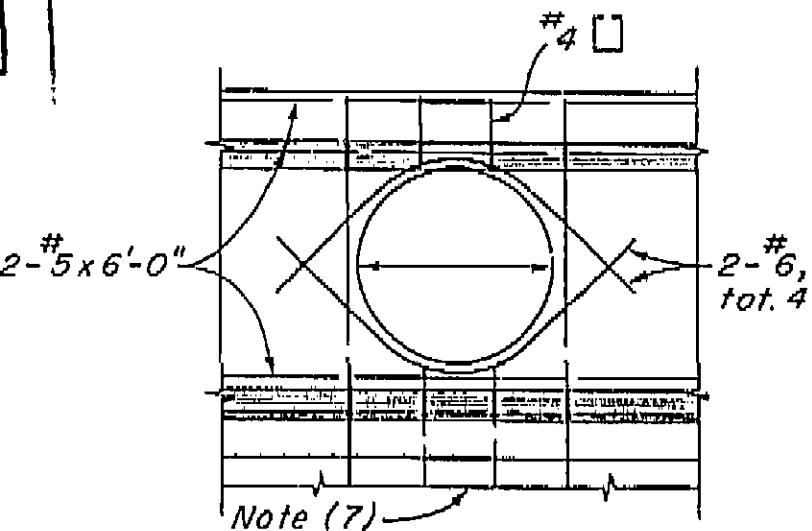
TYPICAL
DETAIL U12



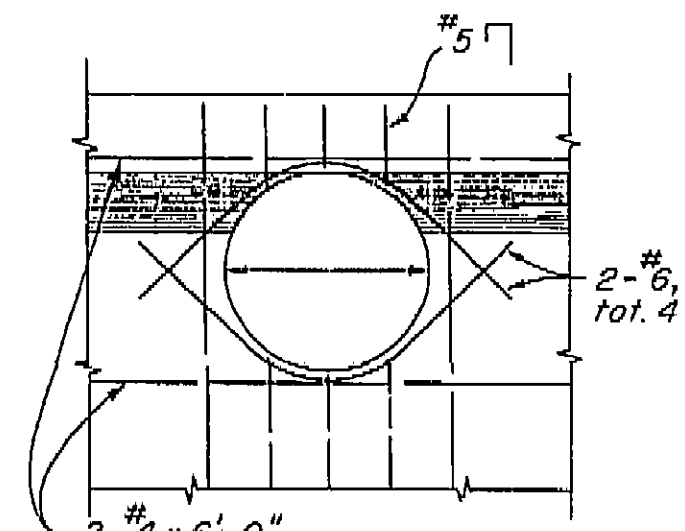
NEAR COLUMN
DETAIL U13



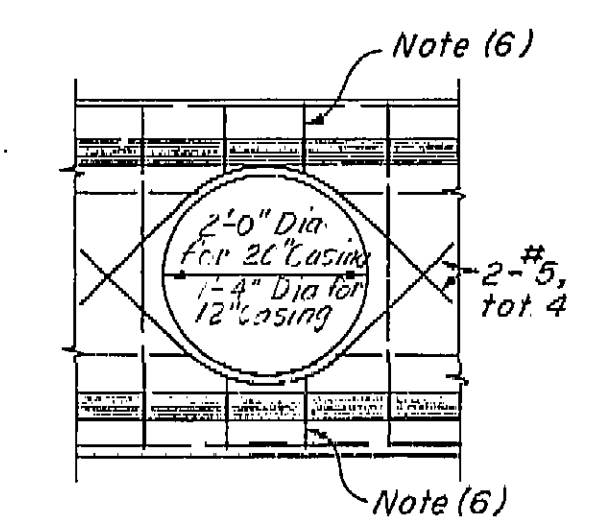
AT COLUMN
DETAIL U14



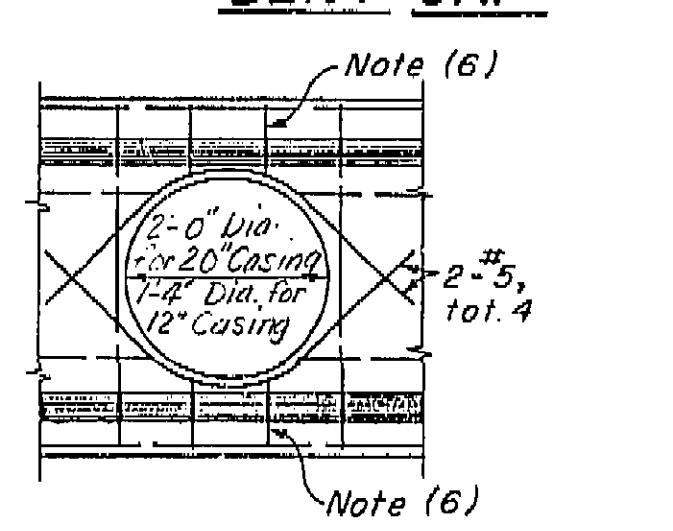
RIGID FRAME
DETAIL U15



CANTILEVER TYPE
DETAIL U16



END
DETAIL U17



INTERMEDIATE
DETAIL U18

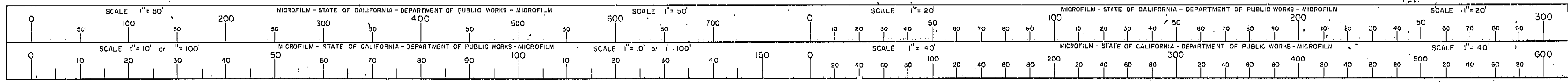
NOTES

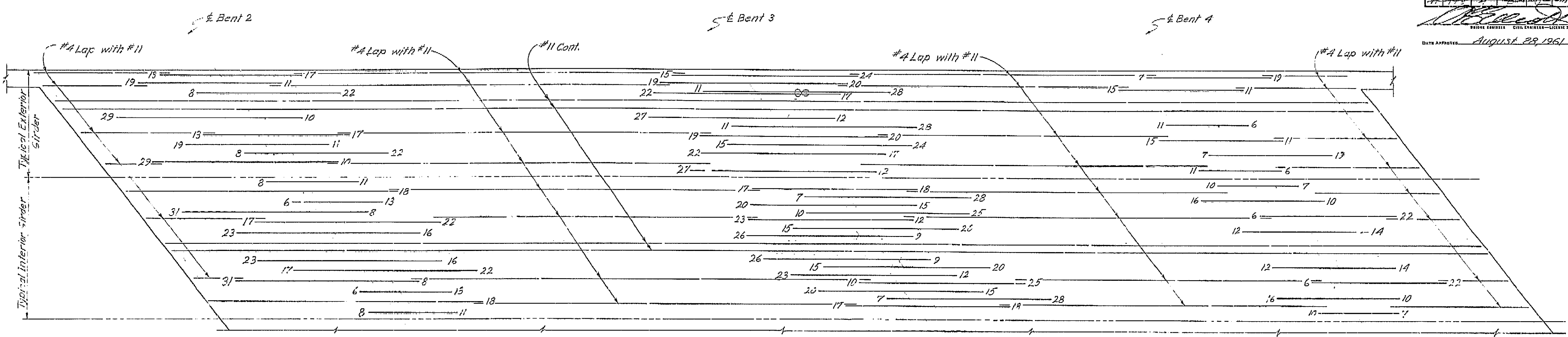
- (1) For exact location and direction of openings see other sheets.
- (2) Location and size of utility openings may be modified as directed by the Engineer, provided minimum dimensions are maintained.
- (3) Girders not shown, see other sheets.
- (4) Seal around utilities at abutments to be of sufficient strength to withstand earth pressure.
- (5) All reinforcement detailed to be placed in addition to reinforcement shown on other sheets.
- (6) Stirrups are same size as adjacent stirrups shown on other sheets.
- (7) Main reinforcement to clear opening as detailed on other sheets.

BRIDGE DEPARTMENT DESIGN SECTION		STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
PROJECT DESIGNER: [Signature]		CHURCH AVENUE OVERCROSSING	
CHIEF DESIGNER: [Signature]		STANDARD UTILITY DETAIL NO. 1	
DESIGN BY: [Signature]	CHECKED: [Signature]	SCALE: NONE	BRIDGE: 42-214
DETAILS BY: [Signature]	CHECKED: [Signature]	FILE: 42-16-48	DRAWING: 42214-10
QUANTITIES BY: [Signature]	CHECKED: [Signature]	PREL. DRAWING NO. P-42214-11	
SPECIFICATIONS BY: [Signature]	CHECKED: [Signature]	DATE: 1-12-62	
APPROVAL RECOMMENDED BY: [Signature]		SIGNATURE: [Signature]	

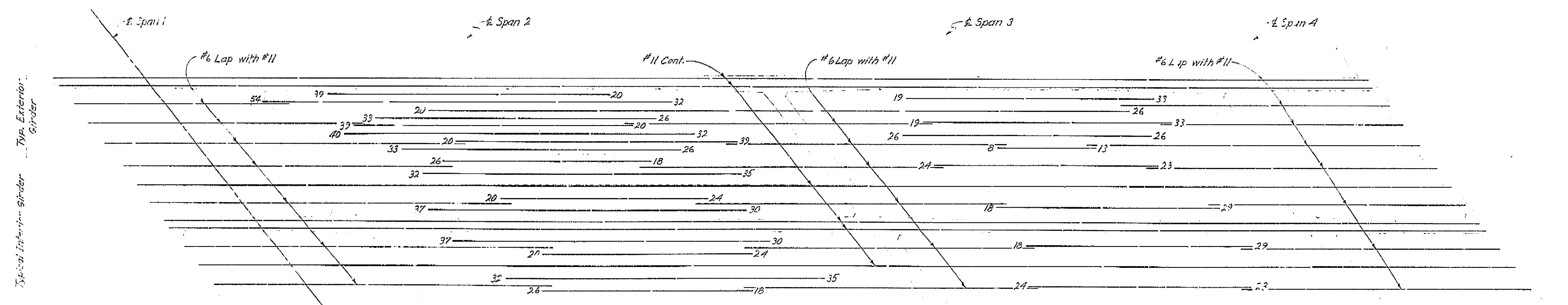
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 1-12-62 SIGNATURE [Signature] TITLE [Signature]





TOP REINFORCEMENT



BOTTOM REINFORCEMENT

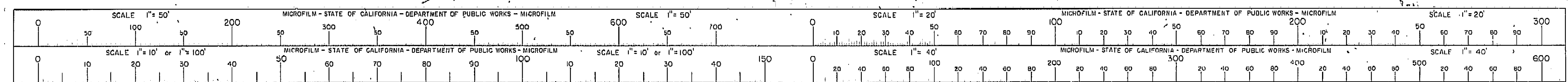
AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

Notes: Bundled bars shown thus: .
All bars are #11 except as noted.
Numbers at ends of bars indicate distance in feet from $\frac{1}{2}$ Bent for Top Reinforcement and from $\frac{1}{2}$ Span for Bottom Reinforcement.
No splicing of #11 bars permitted near $\frac{1}{2}$ Bent for Top Reinforcement or near $\frac{1}{2}$ Span for Bottom Reinforcement.

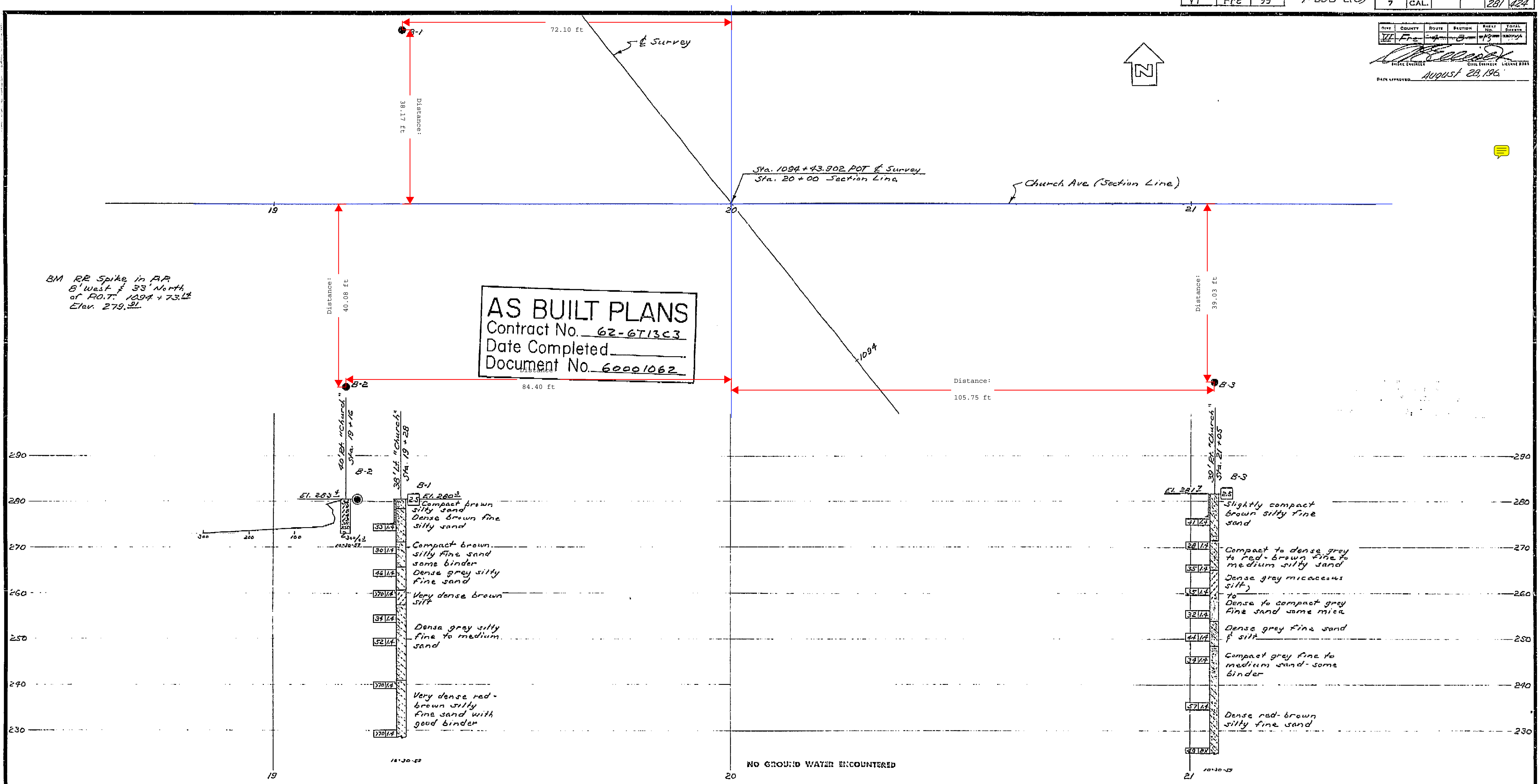
BRIDGE DEPARTMENT			
DESIGN SECTION 2			
Project Designer: <i>[Signature]</i>			
Chief Designer: <i>[Signature]</i>			
DESIGN	By Ray M. Tye 10/60	Checked ED Berry '60	
DETAILS	By H.N. Dahl 10/60	Checked ED Berry '60	
QUANTITIES	By D.P. Billock 10/61	Checked <i>[Signature]</i>	
SPECIFICATIONS	By <i>[Signature]</i>	Checked <i>[Signature]</i>	
Approval Recommended by: <i>[Signature]</i>			

STATE OF CALIFORNIA			
DEPARTMENT OF PUBLIC WORKS			
DIVISION OF HIGHWAYS			
CHURCH AVENUE OVERCROSSING			
GIRDER REINFORCEMENT			
SCALE 1/8"=1'-0"	BRIDGE 42-214	FILE	DRAWING C-42214-B

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 1-11-72 SIGNATURE *[Signature]* TITLE *[Title]*



BRIDGE DEPARTMENT



FIELD STUDY
CHECKED
APPROVED

281

CLASSIFICATION OF MATERIAL BASED ON STANDARD GRADE SIZE LIMITS

DIAGRAM SHOWING THE BASIS FOR ESTIMATES OF GRADE SIZE DISTRIBUTION USED IN DETERMINATION OF CLASS NAMES.

IF GRAVEL IS PRESENT IN APPRECIABLE AMOUNTS THE TERM "GRAVELLY" MAY BE ADDED TO THE CLASS NAME, VIZ. "GRAVELLY SAND". THE TERMS "COARSE", "MEDIUM" AND "FINE" WHEN USED TO DESCRIBE SAND, SILT AND GRAVEL REFER TO STANDARD GRADE SIZE LIMITS.

LEGEND OF EARTH MATERIALS

GRAVEL	SILTY CLAY OR CLAYEY SILT
SAND	PEAT AND/OR ORGANIC MATTER
SILT	FILL MATERIAL
CLAY	IGNEOUS ROCK
SANDY CLAY OR CLAYEY SAND	SEDIMENTARY ROCK
SANDY SILT OR SILTY SAND	METAMORPHIC ROCK

LEGEND OF BORING OPERATIONS

PLAN OF ANY BORING

PENETROMETER

SAMPLER BORING (DRY)

ROTARY BORING (WET)

AUGER BORING (DRY)

JET BORING

CORE BORING

TEST PIT

1" SOIL TUBE

ROTARY BORING

PENETRATION BORING

NOTES

Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

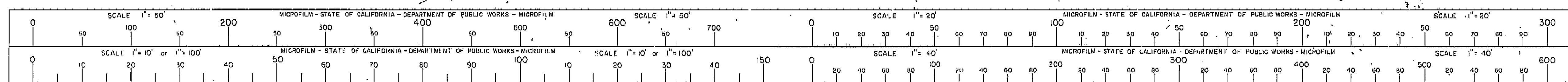
CHURCH AVENUE OVERCROSSING

LOG OF TEST BORINGS

SCALE 1" = 10' BRIDGE 42-214 FILE DRAWING C-42214-13

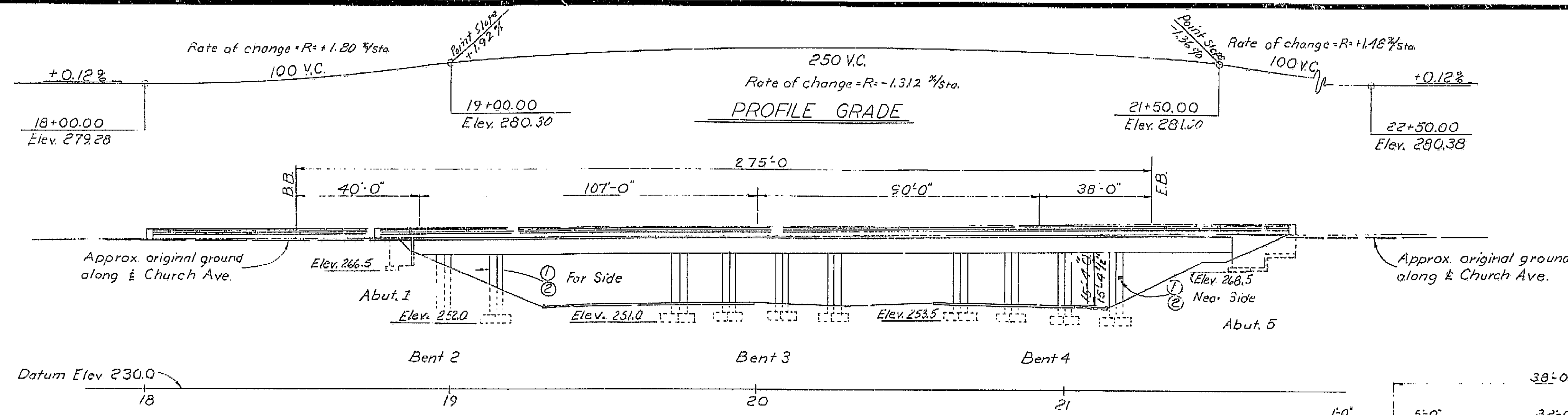
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 10-12-62 SIGNATURE [Signature] TITLE [Title]



AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

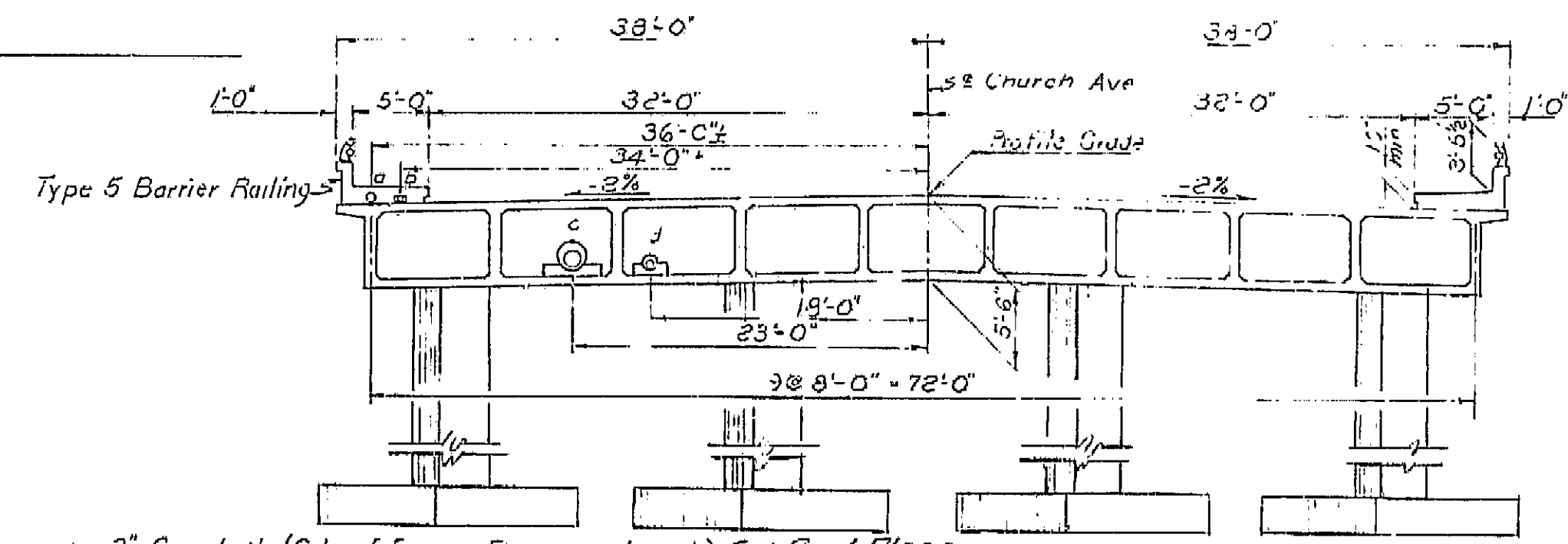
FED. ROAD DIST. NO.	VI	Fre	99	U-005-2781 F-005-2785
STATE	CALIF.	PROJ. NO.	7	269 424
DIST.	VI	COUNTY	Fre	99
ROUTE	VI	SECTION	VI	99
SHEET	VI	NO.	VI	99
DATE APPROVED August 28, 1961				
BY: [Signature] CIVIL ENGINEER - LICENSE 9353				



APPROXIMATE QUANTITIES PM 19.2

*STRUCTURE EXCAVATION (BRIDGE)	1,020 C.Y.
*STRUCTURE BACKFILL (BRIDGE)	600 C.Y.
*CLASS "A" CONCRETE (BRIDGE)	1,690 C.Y.
RUBBER WATERSTOPS	30 L.F.
*BAR REINFORCING STEEL (BRIDGE)	470,000 LBS.
BARRIER RAILING (TYPE 5)	611 L.F.

*FINAL QUANTITIES

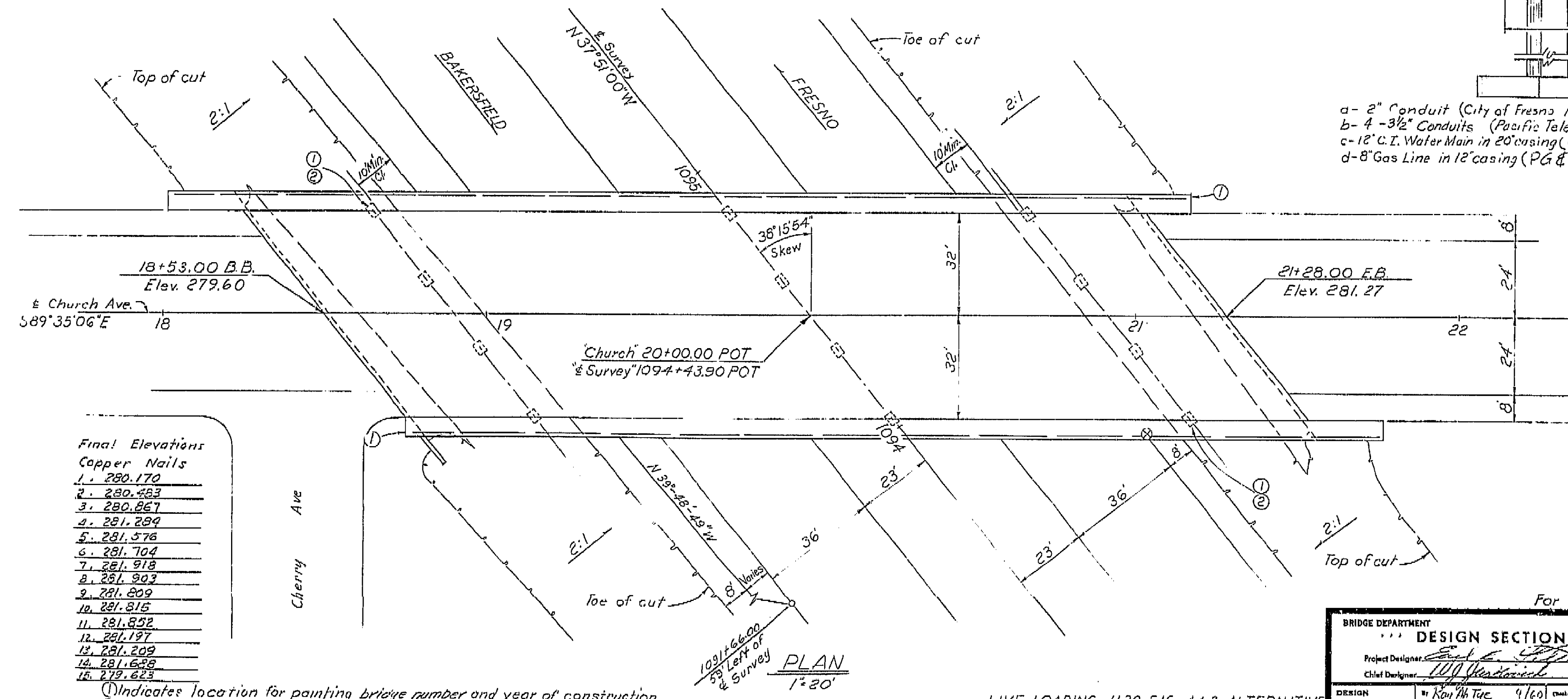


- a- 2" Conduit (City of Fresno Fire Department) See Road Plans.
- b- 4 - 3/2" Conduits (Pacific Telephone & Telegraph Co.)
- c- 12" C.I. Water Main in 20" casing (City of Fresno)
- d- 8" Gas Line in 12" casing (PG & E)

INDEX TO PLANS

SHEET NO.	TITLE
1.	General Plan
2.	Grid of Deck Elevations
3.	Foundation Plan
4.	Abutment Details
5.	Type I-A Cantilever Retaining Wall
6.	Bent Details
7.	Typical Section & Girder Layout
8.	Girder Reinforcement
9.	Standard Details No. 1
10.	Standard Utility Detail No. 1
11.	Barrier Railing Sheet 1
12.	Barrier Railing Sheet 2
13.	Log of Test Boring
14.	Lighting Plan

Note: Route Change (VI-Fre-99)
4-8-63 J.W. Beck
SHEET 11-21-63



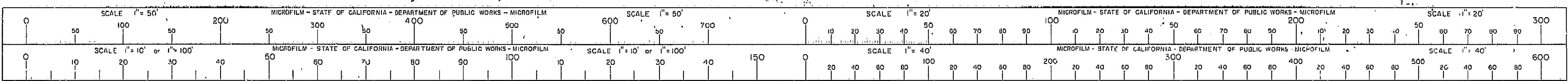
Final Elevations
Copper Nails

1.	280.170
2.	280.483
3.	280.867
4.	281.289
5.	281.576
6.	281.704
7.	281.918
8.	281.903
9.	281.609
10.	281.815
11.	281.852
12.	281.187
13.	281.209
14.	281.628
15.	279.623

- ① Indicates location for painting bridge number and year of construction
- ② Indicates location for painting "Church Avenue O.C."
- ③ Indicates point of minimum vertical clearance

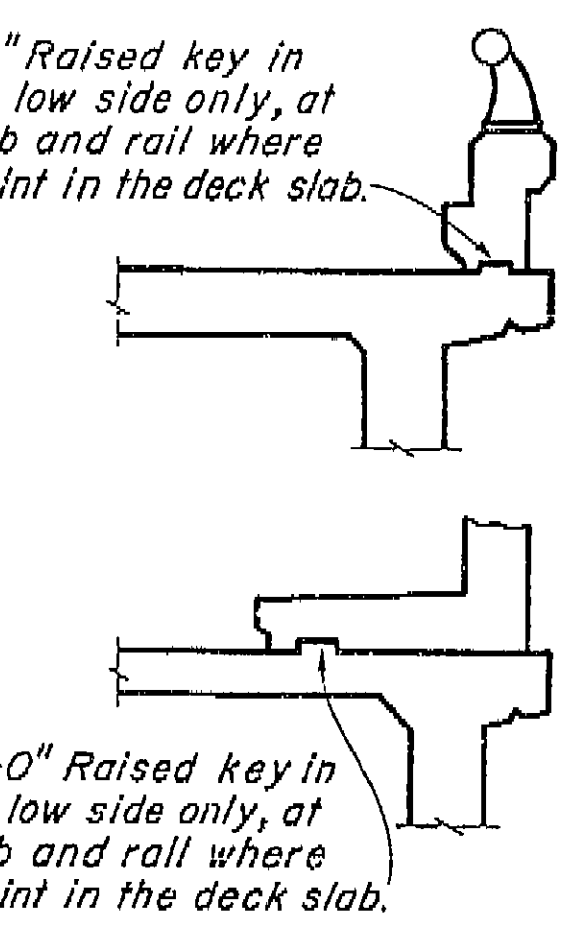
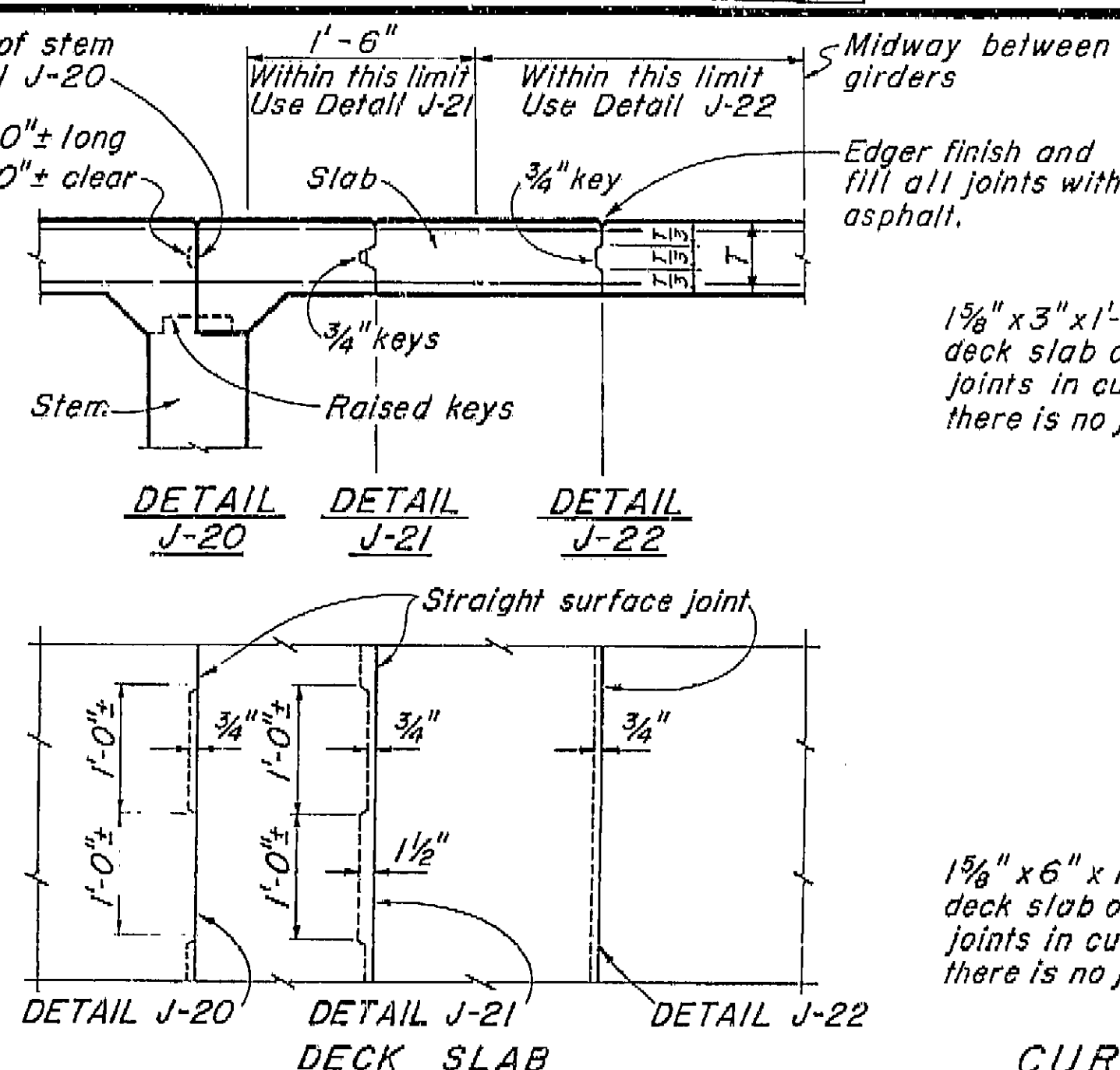
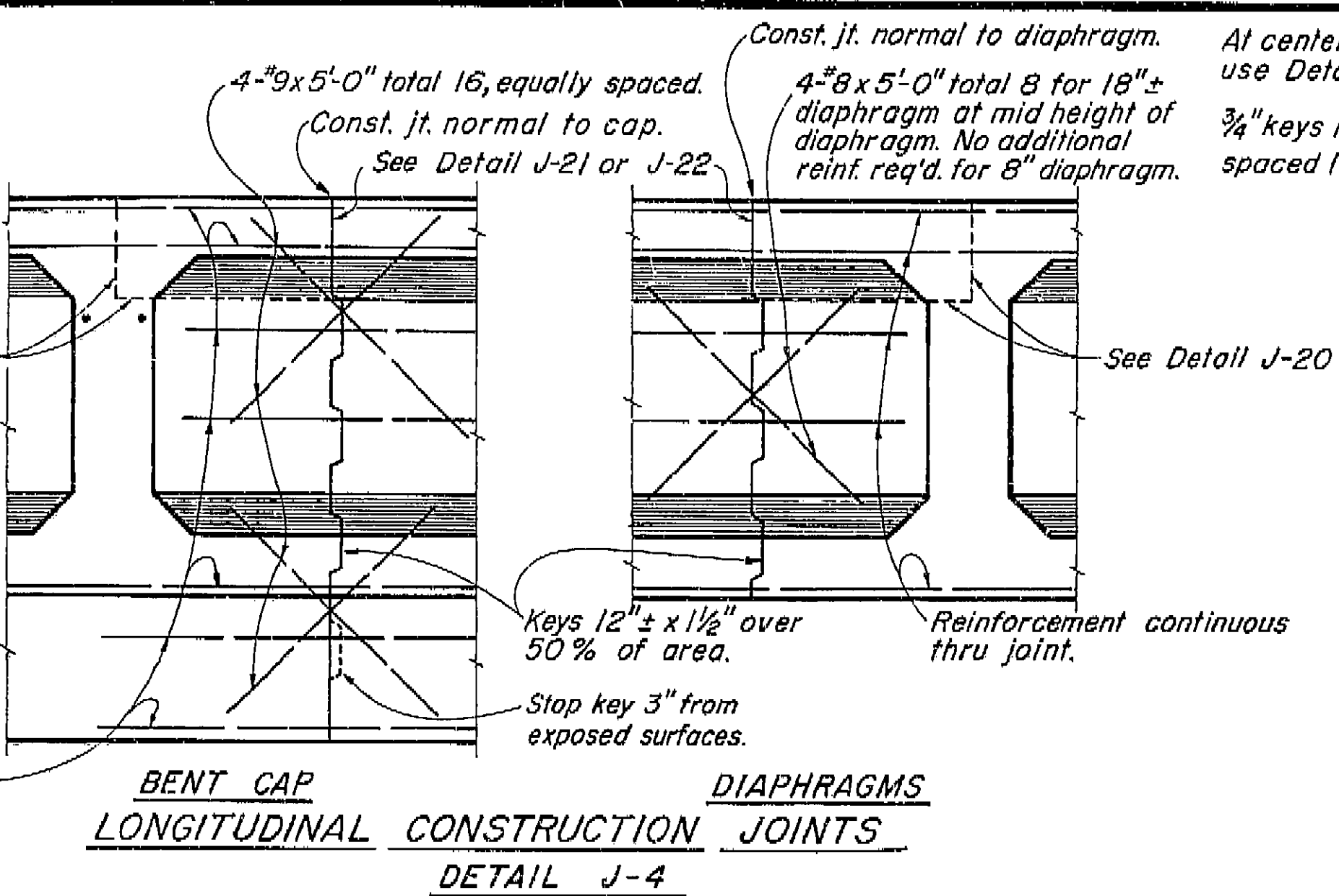
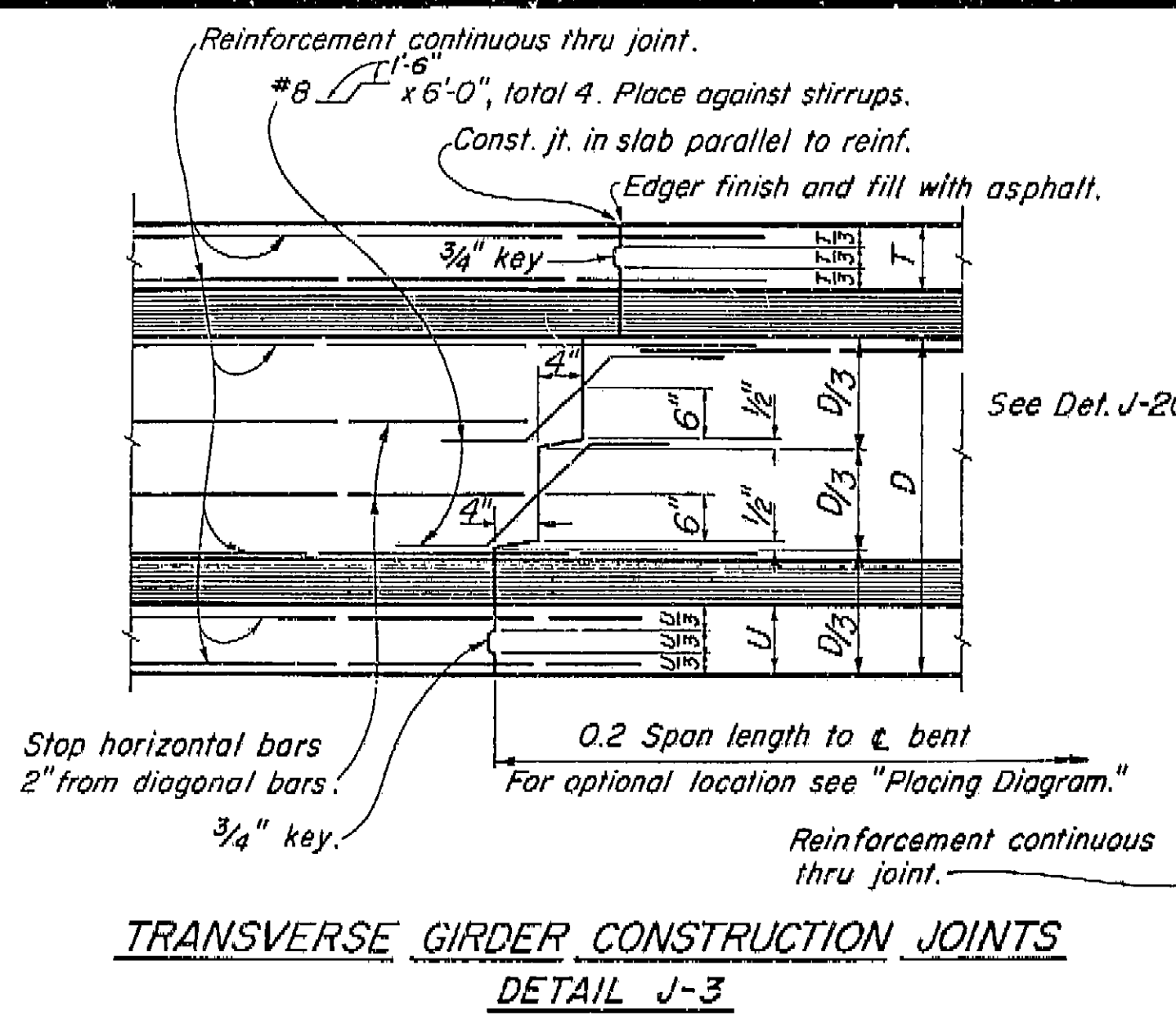
BRIDGE DEPARTMENT		DESIGN SECTION		2	
Project Designer: [Signature]		Chief Designer: [Signature]		62-6713C3	
DESIGN		BY: [Signature]		CHECKED: ED BERRY '60	
DETAILS		BY: M. Camacho '60		CHECKED: ED BERRY '60	
QUANTITIES		BY: G.P. Pollock '61		CHECKED: [Signature]	
SPECIFICATIONS		BY: [Signature]		CHECKED: [Signature]	
Approved & Recommended by: [Signature]		Checked & Approved by: [Signature]		Scale and Date: 2548 Date: 11-21-63	
For General Notes See "Grid of Deck Elevations" sheet		CHURCH AVENUE OVERCROSSING		TO BE LOCATED AT THE SOUTH CITY LIMIT OF FRESNO	
SCALE: As Noted		BRIDGE 42-214		FILE	
DRAWING C42214-1		PREL. DRAWING NO. P-42214-1		501	

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 1-12-82 SIGNATURE [Signature] TITLE [Title]

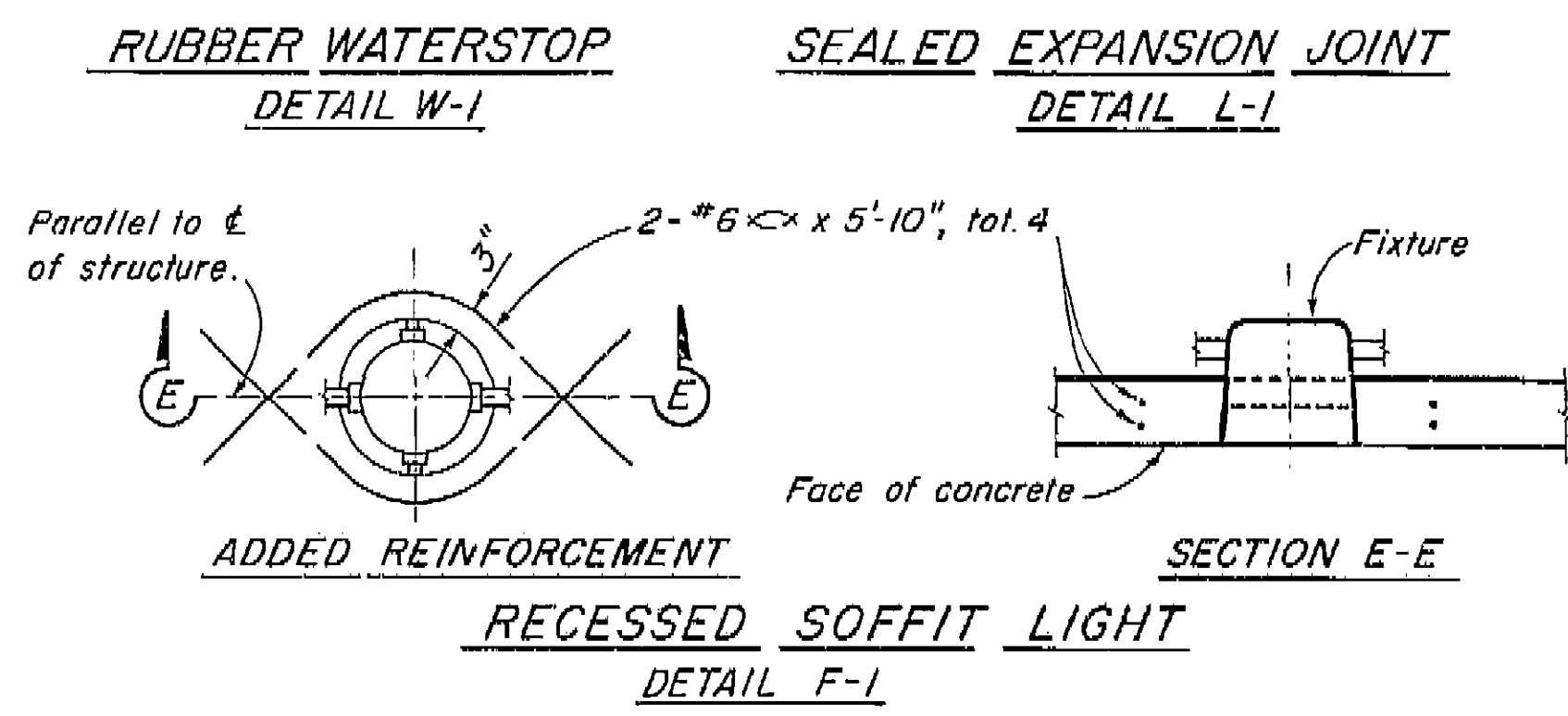
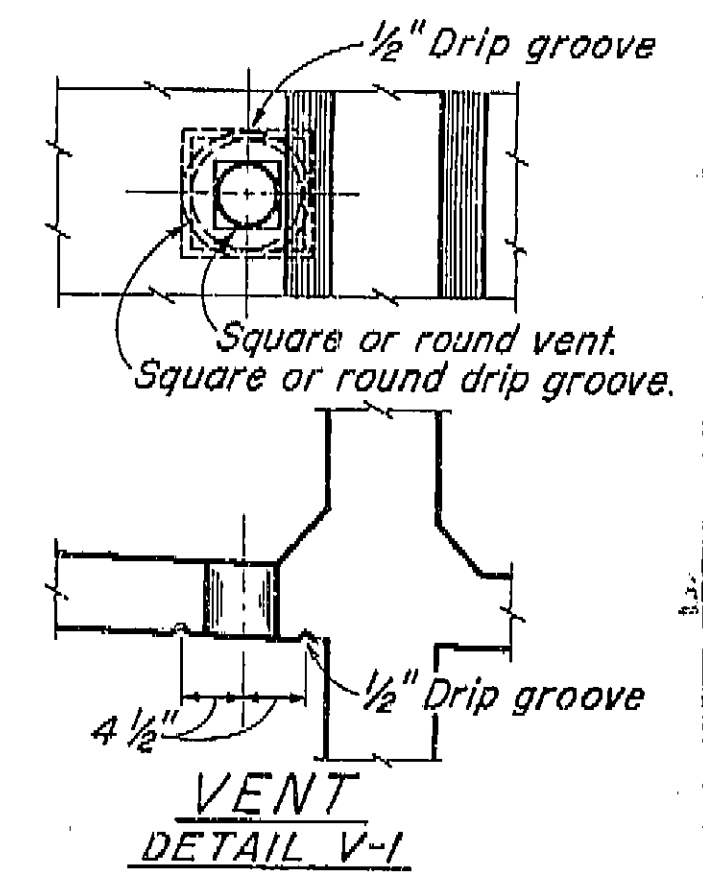
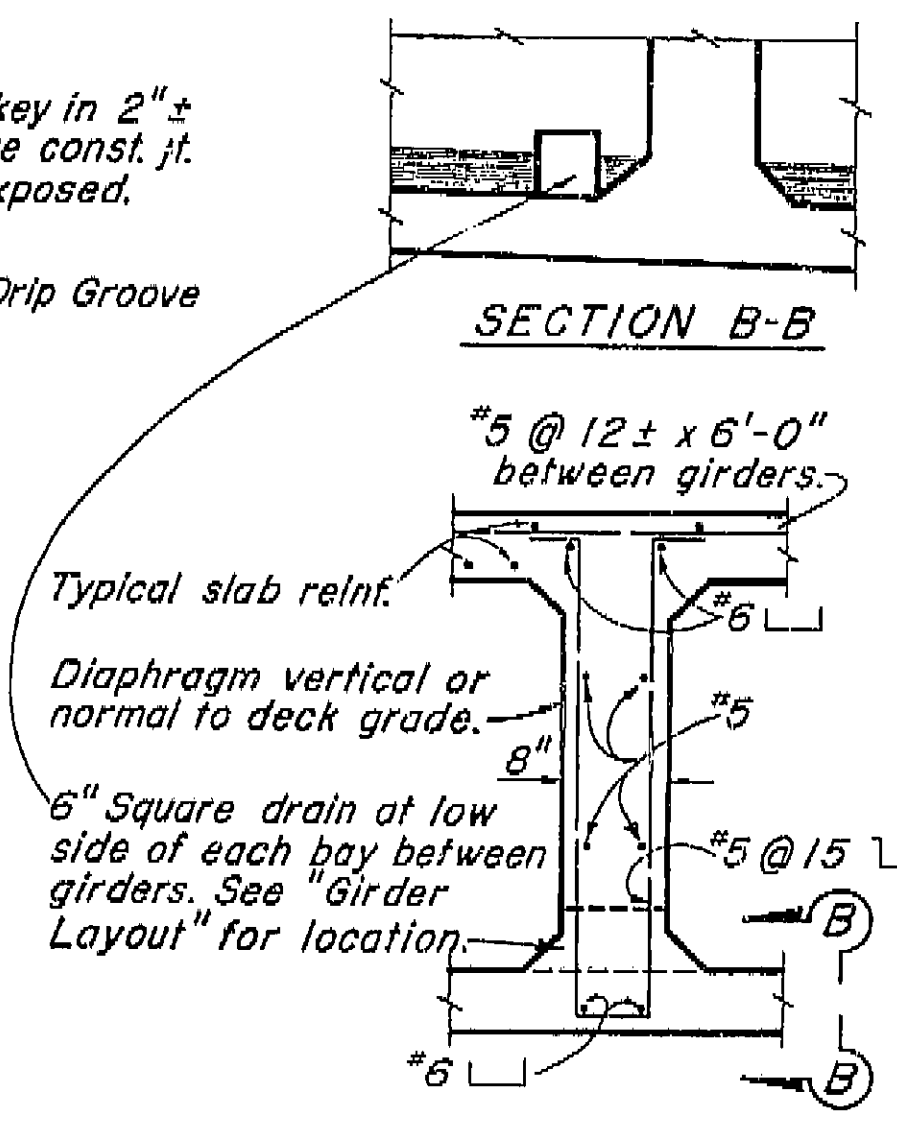
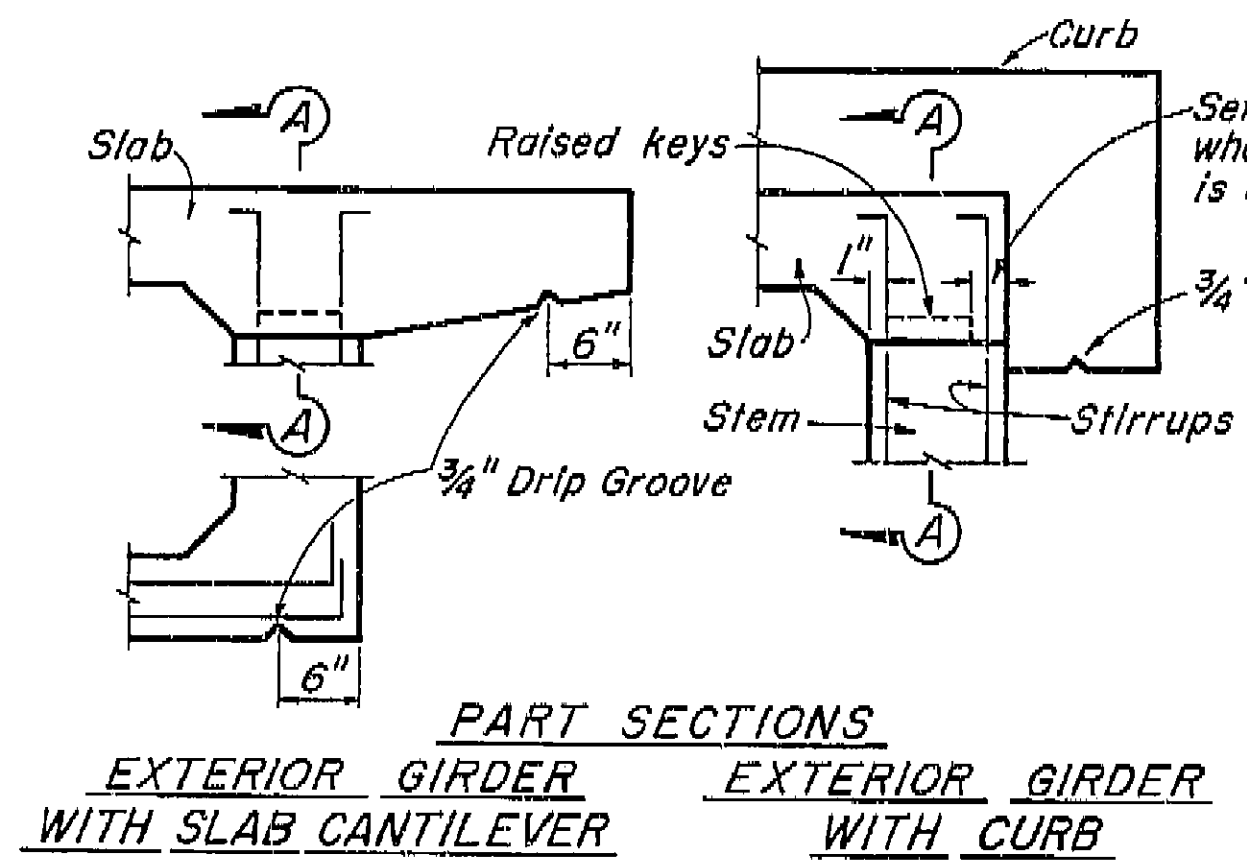
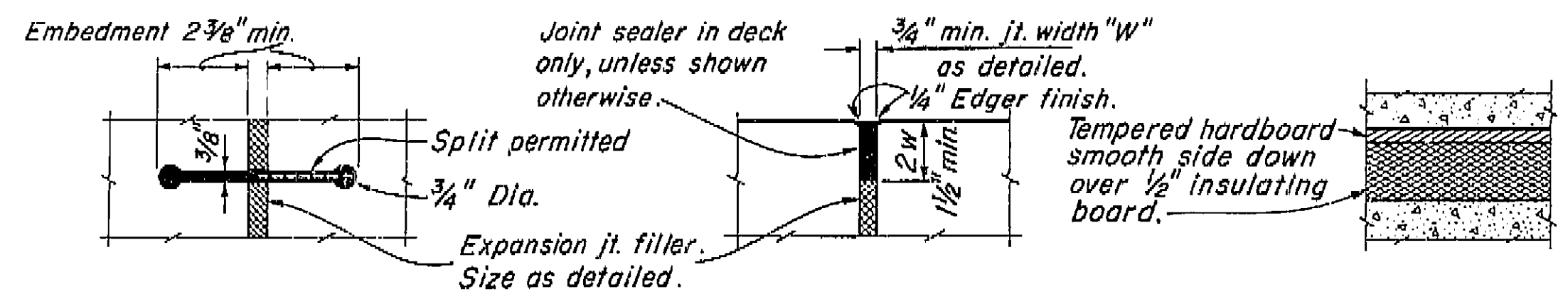


Revision: 9-22-60
Made "B" bar cont.
in Detail J-1.
S.C.

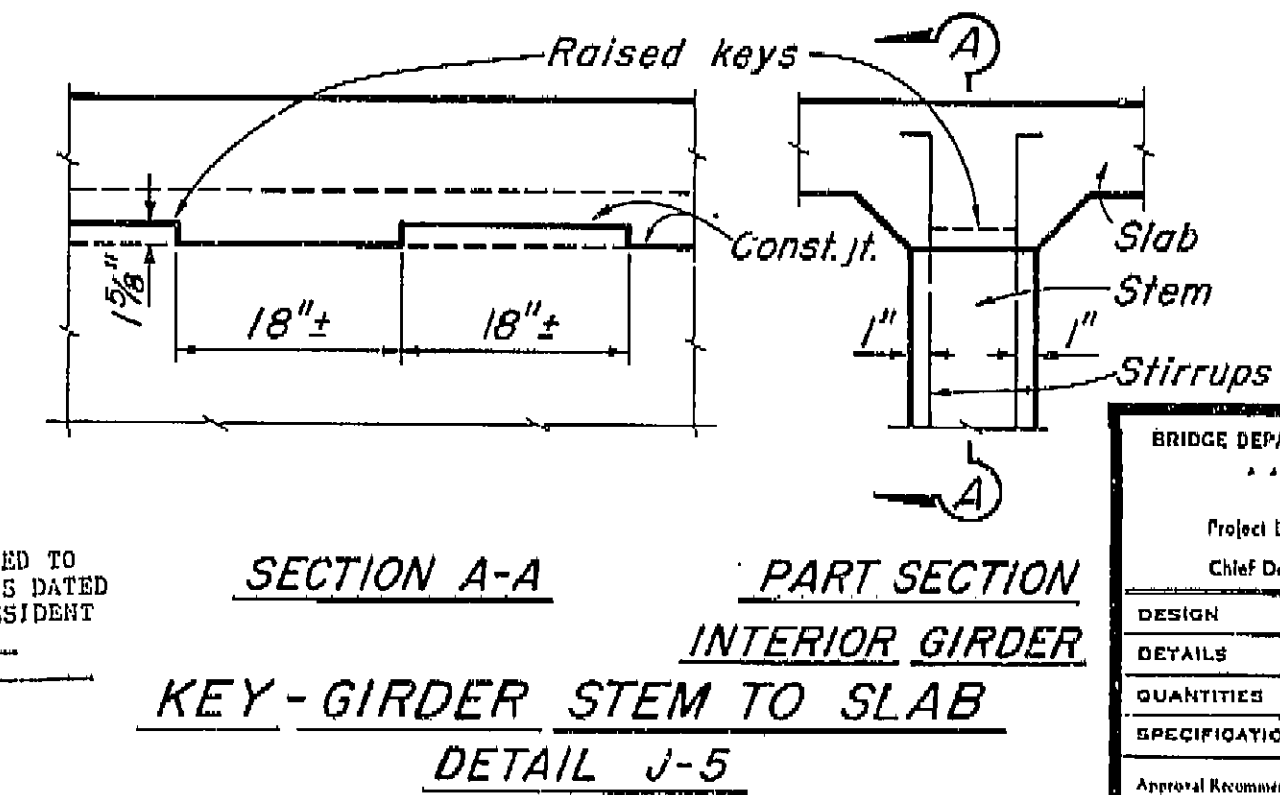
DATE APPROVED: August 28, 1961
APPROVED: [Signature]
DESIGNED: [Signature]
CHECKED: [Signature]



AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062

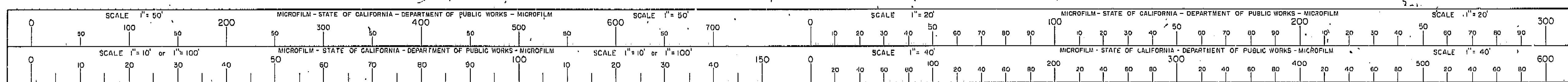


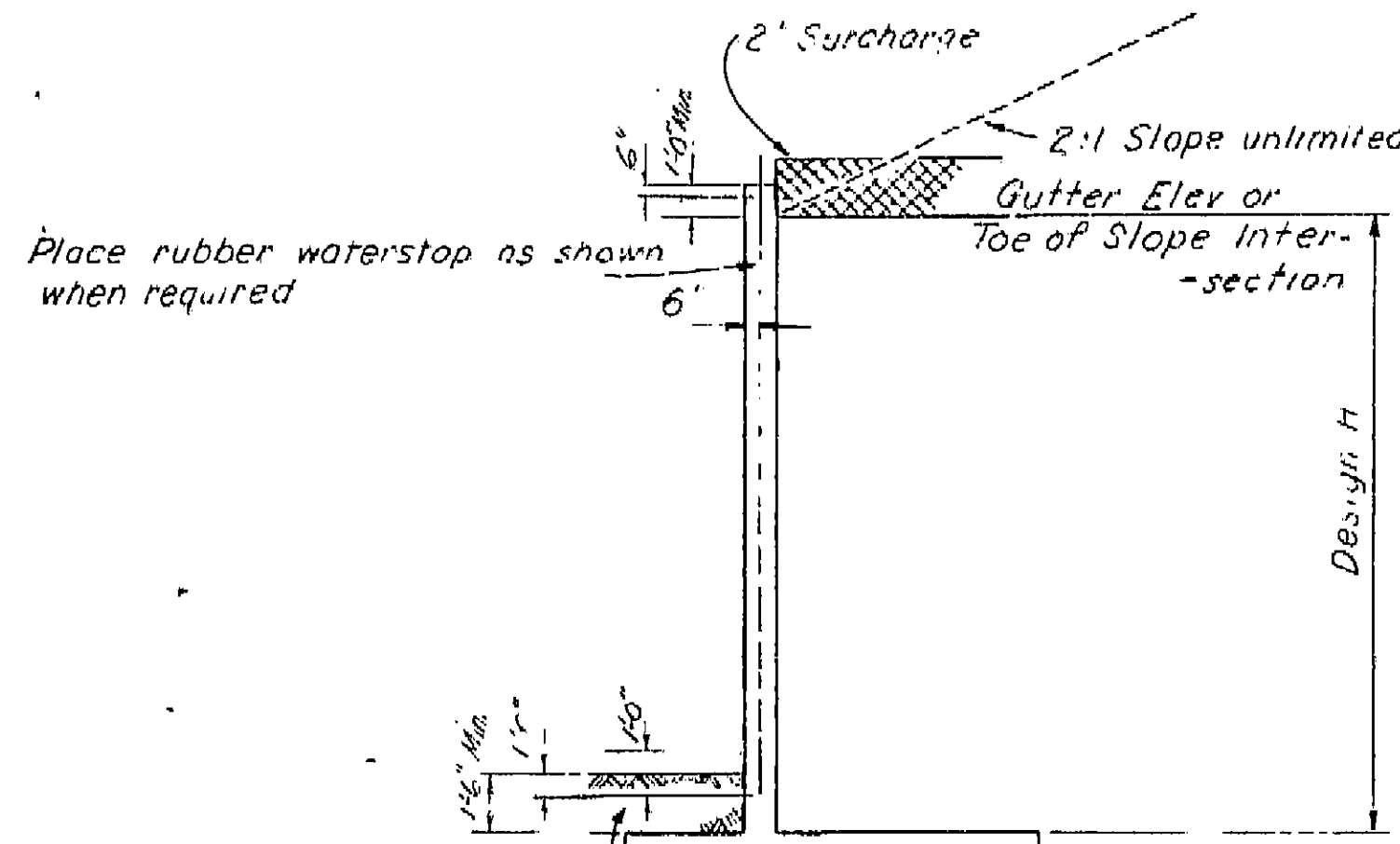
THIS SET OF PLANS HAS BEEN CORRECTED TO CORRESPOND TO THE "AS BUILT" PRINTS DATED AS SUBMITTED BY RESIDENT ENGINEER. ERRORS CORRECTED BY: DATE:



BRIDGE DEPARTMENT DESIGN SECTION Project Designer: [Signature] Chief Designer: [Signature]		9/60	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS
DESIGN: W. Ray Aliso 10/60 DETAILS: H. M. Dahl 10/60 QUANTITIES: D. P. Block 10/60 SPECIFICATIONS: [Signature]		CHURCH AVENUE OVERCROSSING	
Approval Recommended by: [Signature] Checked and Approved: [Signature]		STANDARD DETAILS NO. 1 (BOX GIRDER)	
Scale: None		BRIDGE: 12-114	FILE: XS-16-22 DRAWING: C-42214-9
PREL. DRAWING No. P. 42214-9 10/60			

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE: 10/12/62 SIGNATURE: [Signature] TITLE: [Signature]





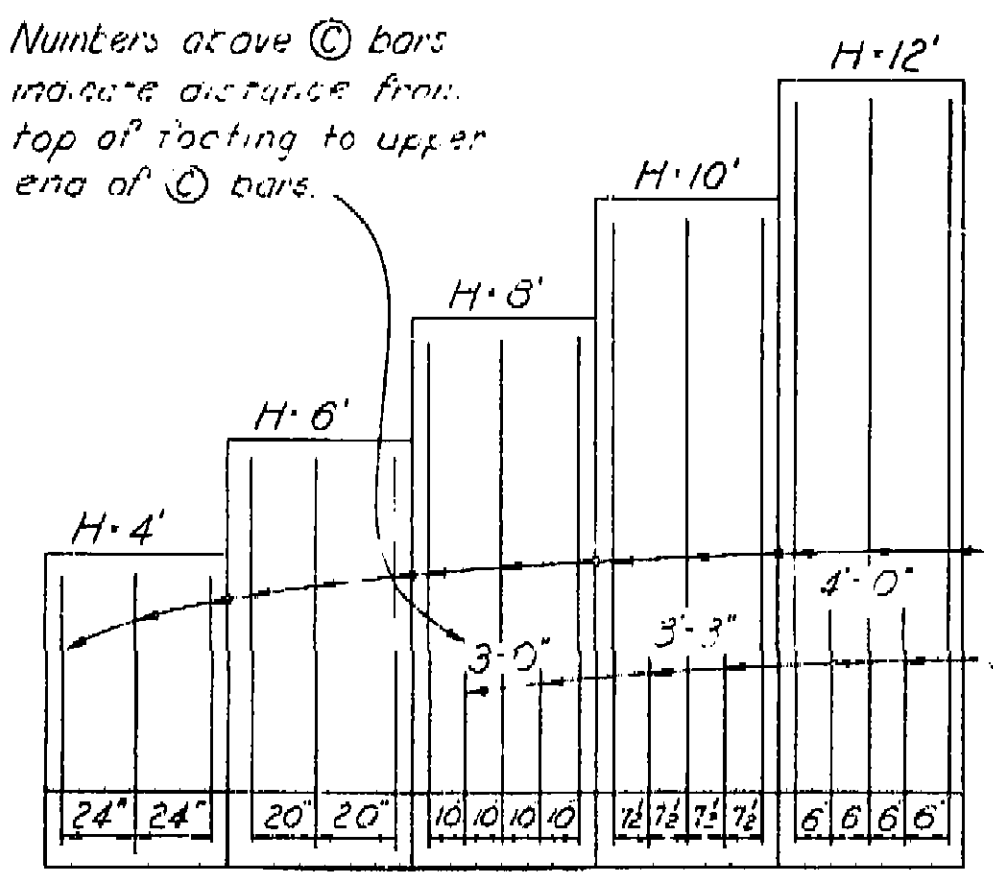
Backfill sufficiently to prevent ponding. To be done after removal of wall forms and before backfilling behind wall.

Place concrete in toe against undisturbed material, except as permitted by the Engineer.

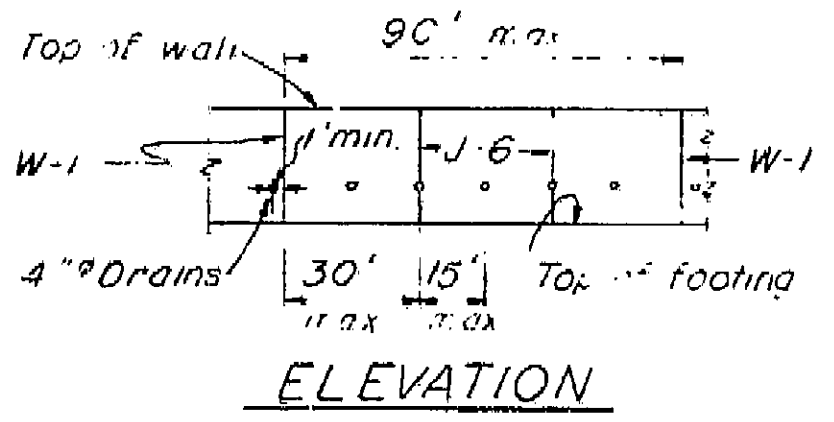
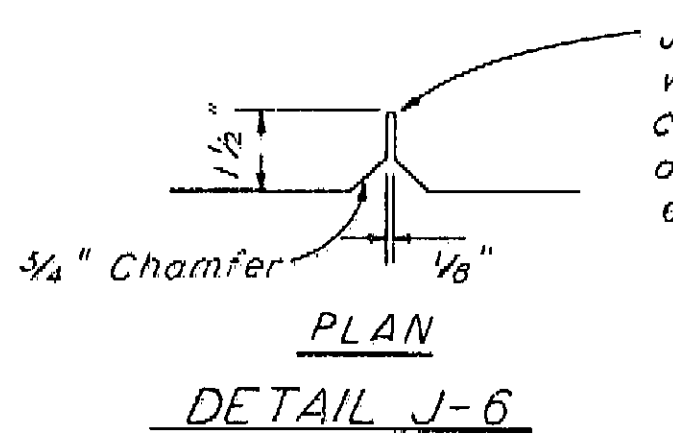
DESIGN AND DRAINAGE

AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

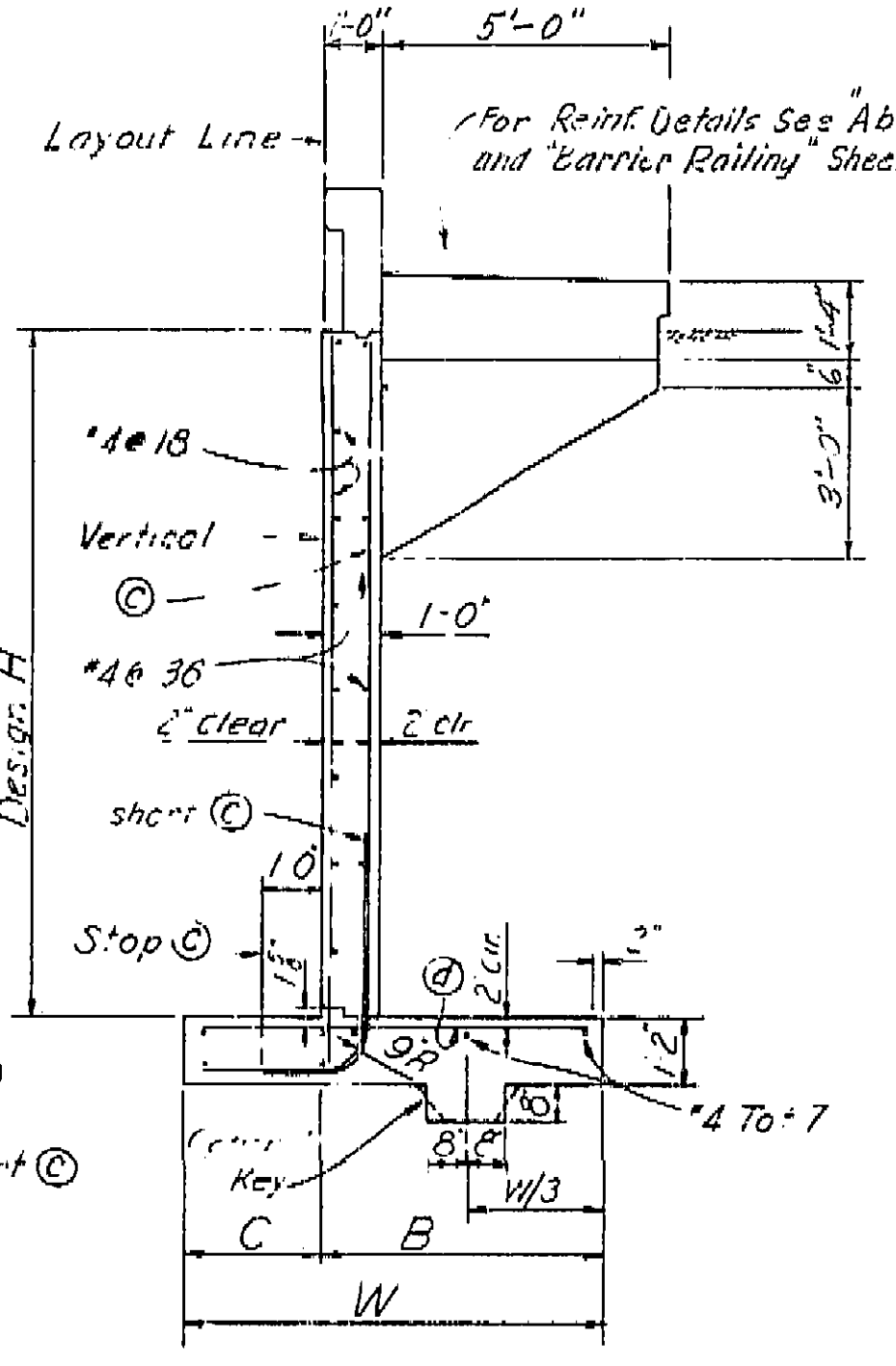
TABLE OF REINFORCING STEEL DIMENSIONS AND DATA					
Design H	4'	6'	8'	10'	12'
W	3'-2"	4'-2"	5'-2"	6'-2"	7'-2"
C	1'-0"	1'-4"	1'-8"	2'-0"	2'-4"
B	2'-2"	2'-10"	3'-6"	4'-2"	4'-10"
© bars	*4 @ 24"	*5 @ 20"	*5 @ 10"	*8 @ 7 1/2"	*7 @ 6"
ⓐ bars	*4 @ 24"	*5 @ 20"	*5 @ 10"	*7 @ 15"	*7 @ 12"
Total © bars	6 - 6"	6 - 6"	6 - 6"	10 - 7"	10 - 7"
Total ⓐ bars				6 - 7"	6 - 7"
H Comp pounds	850	1440	2170	3050	4070
V Comp pounds	2020	3460	5230	7340	9760
e feet	.50	.60	.79	.94	1.07
Toe Pressure PSF	1240	1570	1930	2270	2640
Spread Footing	Steel lbs/ft 13	19	30	49	77
Conc CF/ft	8.6	11.8	15.0	18.1	21.4
Conc pile ft	24	30	41	82	112
pile ft	9.9	11.9	15.4	18.8	22.2



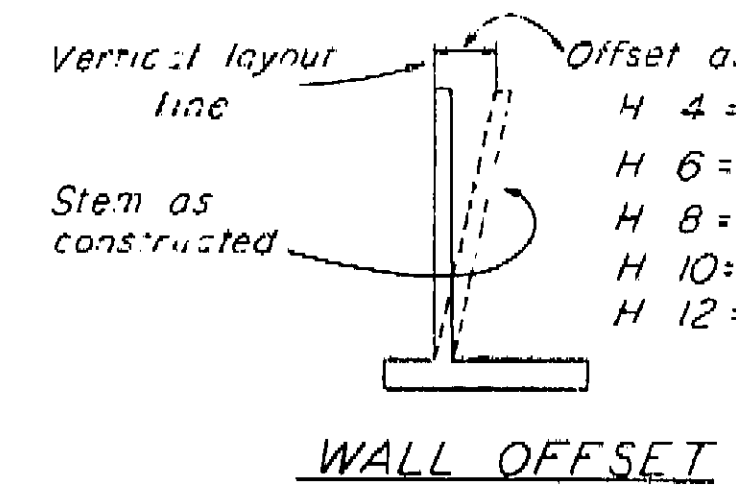
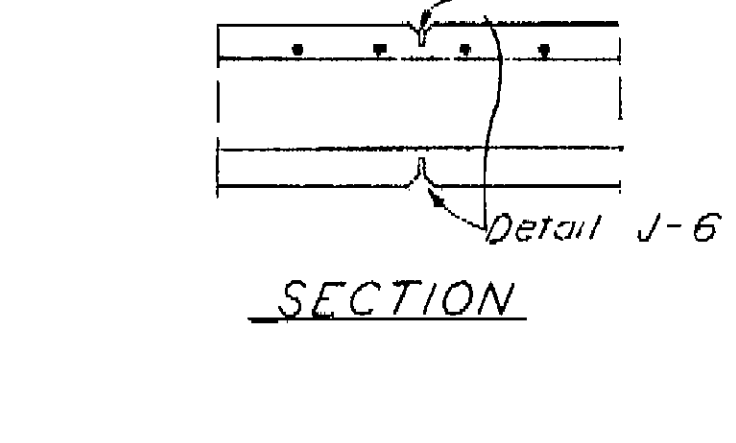
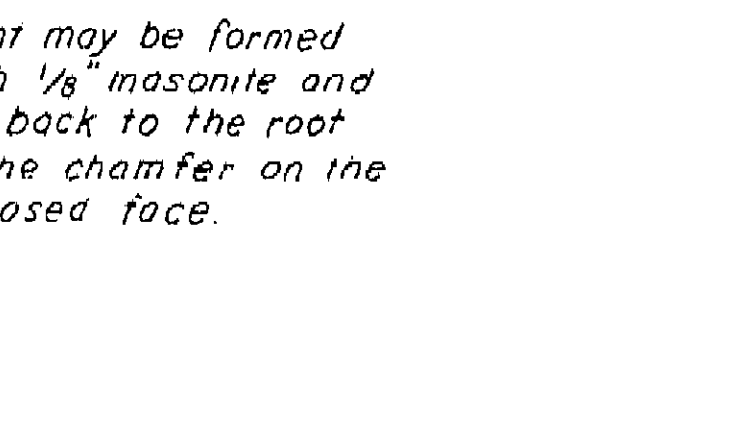
TYPICAL LAYOUT EXAMPLE
Note: Bar cut-offs may be varied in increments of 6"



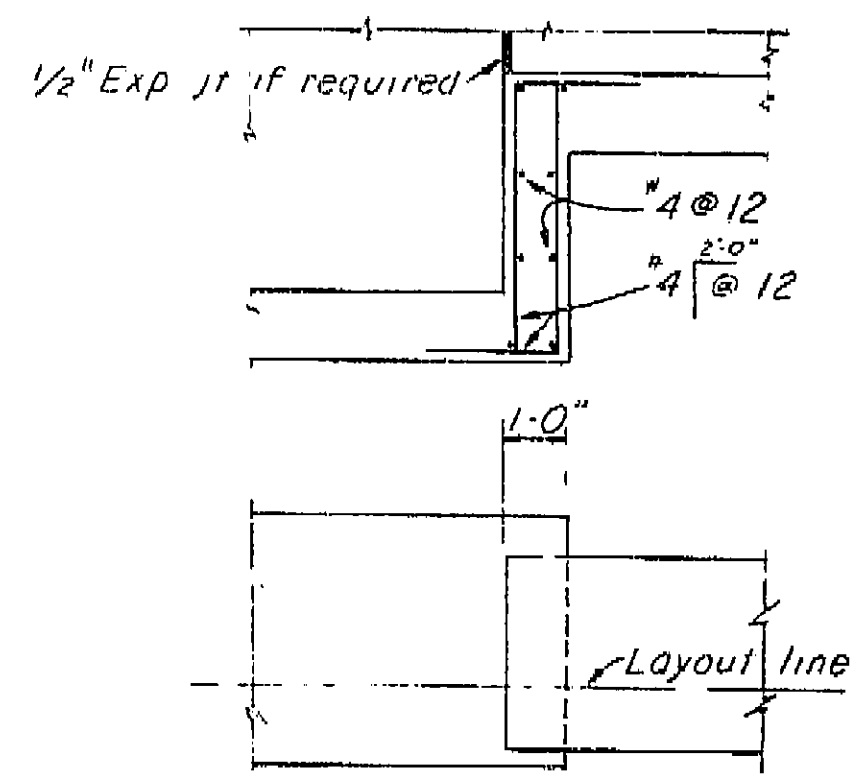
RUBBER WATERSTOP
Note: For details of "Alternative Waterstop" see "Standard Details No. 1" sheet "Route 4 On Ramp O.G."



SPREAD FOOTING SECTION



WALL OFFSET



FOOTING STEP

NOTES
Design Conditions
Design H may be exceeded by 6" before going to the next size. Footing key is required except when found unnecessary by the Engineer. Special footing design is required where foundation material is incapable of supporting toe pressure loads listed in table.

Design Data:
fc = 1200 psi ft = 3000 psi fs = 20,000 psi
n = 10 earth = 120 pcf

36 psf max. for determination of toe pressure
27 psf min. for determination of heel pressure

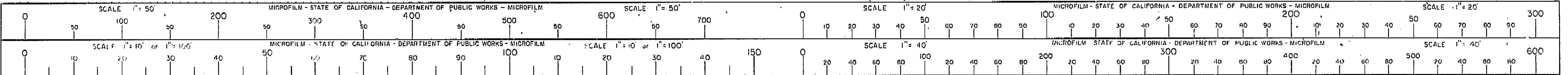
THIS SET OF PLANS HAS BEEN CORRECTED TO CONFORM TO THE "AS BUILT" PRINTS. IT IS SUBMITTED BY ENGINEER.

Note: Reinforcement detailed is to be placed in addition to that shown for spread footing. All piles not shown, see Pile Layout on other sheet.

For pile footing Design H-4' use same footing dimensions as Design H-6'

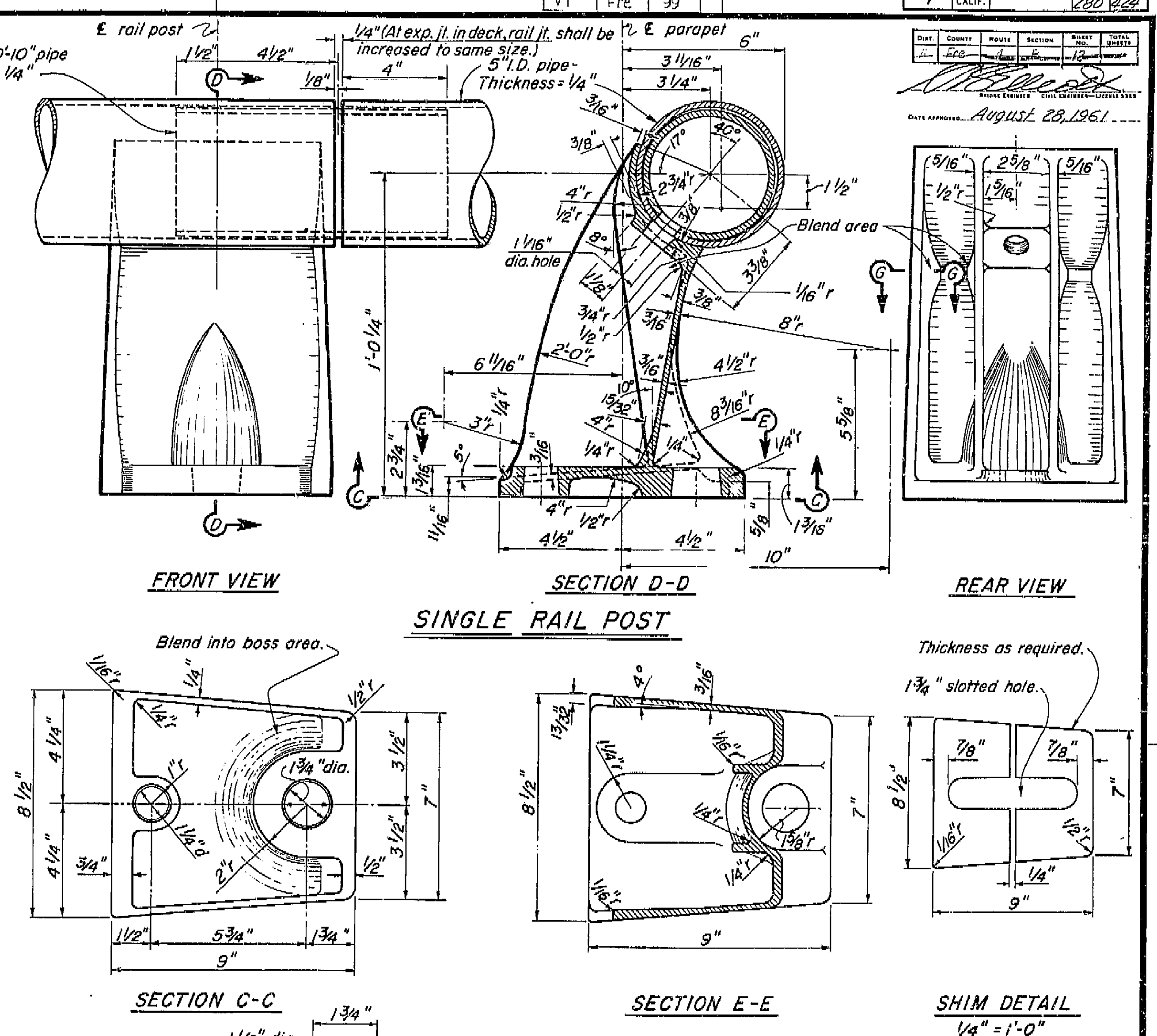
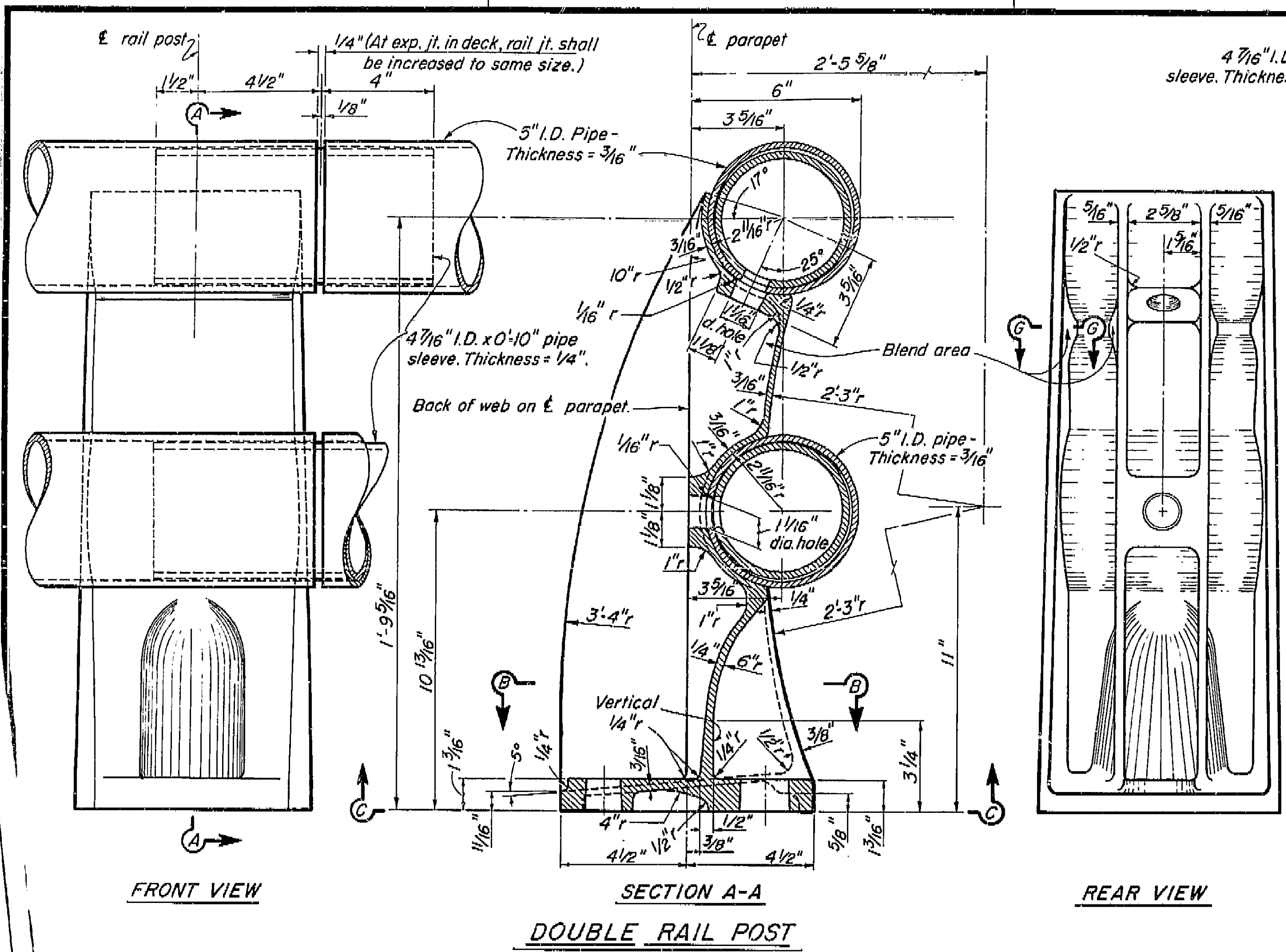
BRIDGE DEPARTMENT DESIGN SECTION Project Designer: [Signature] Chief Designer: [Signature]		STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
DESIGN: [Signature] CHECKED: [Signature] QUANTITIES: [Signature] SPECIFICATIONS: [Signature]		CHURCH AVENUE OVERCROSSING TYPE I-A CANTILEVER RETAINING WALL SCALE: None BRIDGE: 42-214 FILE: [Signature] DRAWING: C-42214-5	

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE: 1-12-62 SIGNATURE: [Signature] TITLE: [Signature]

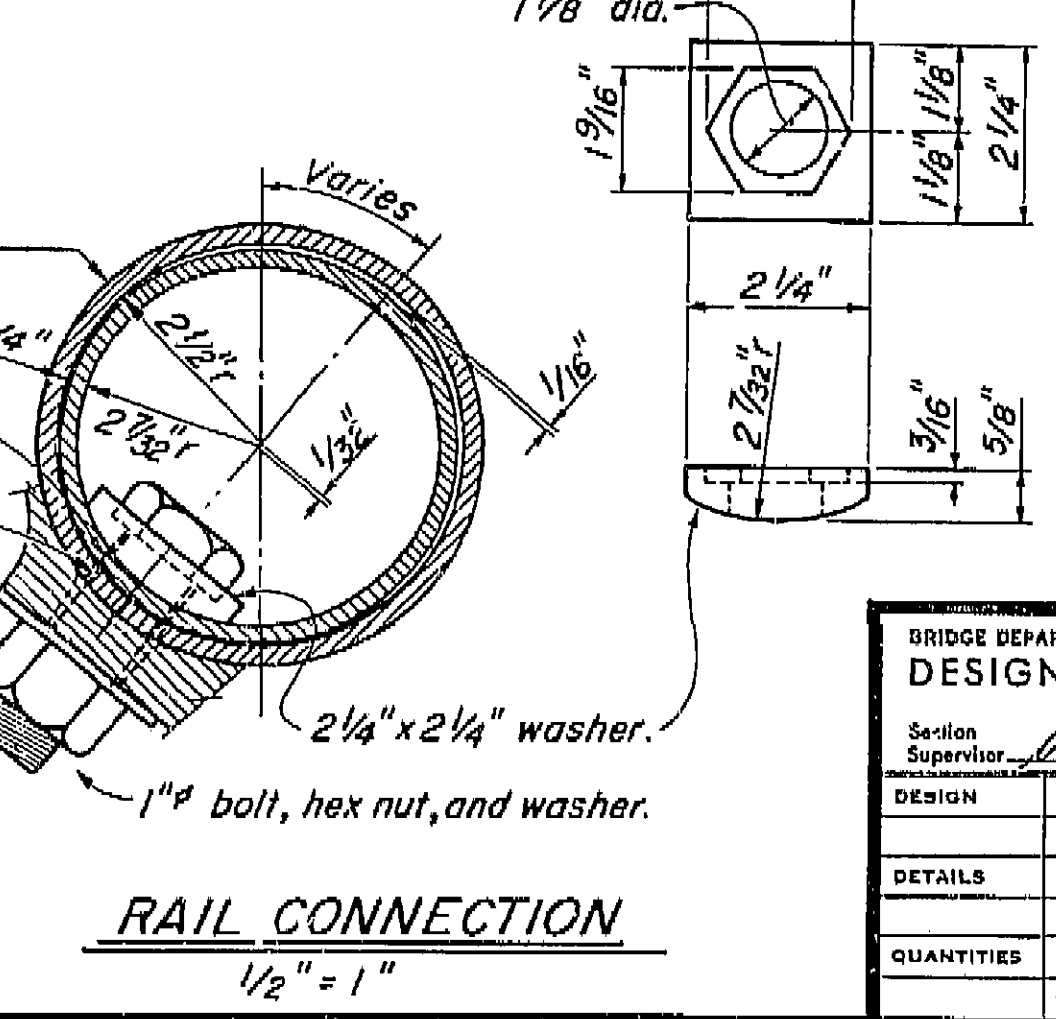
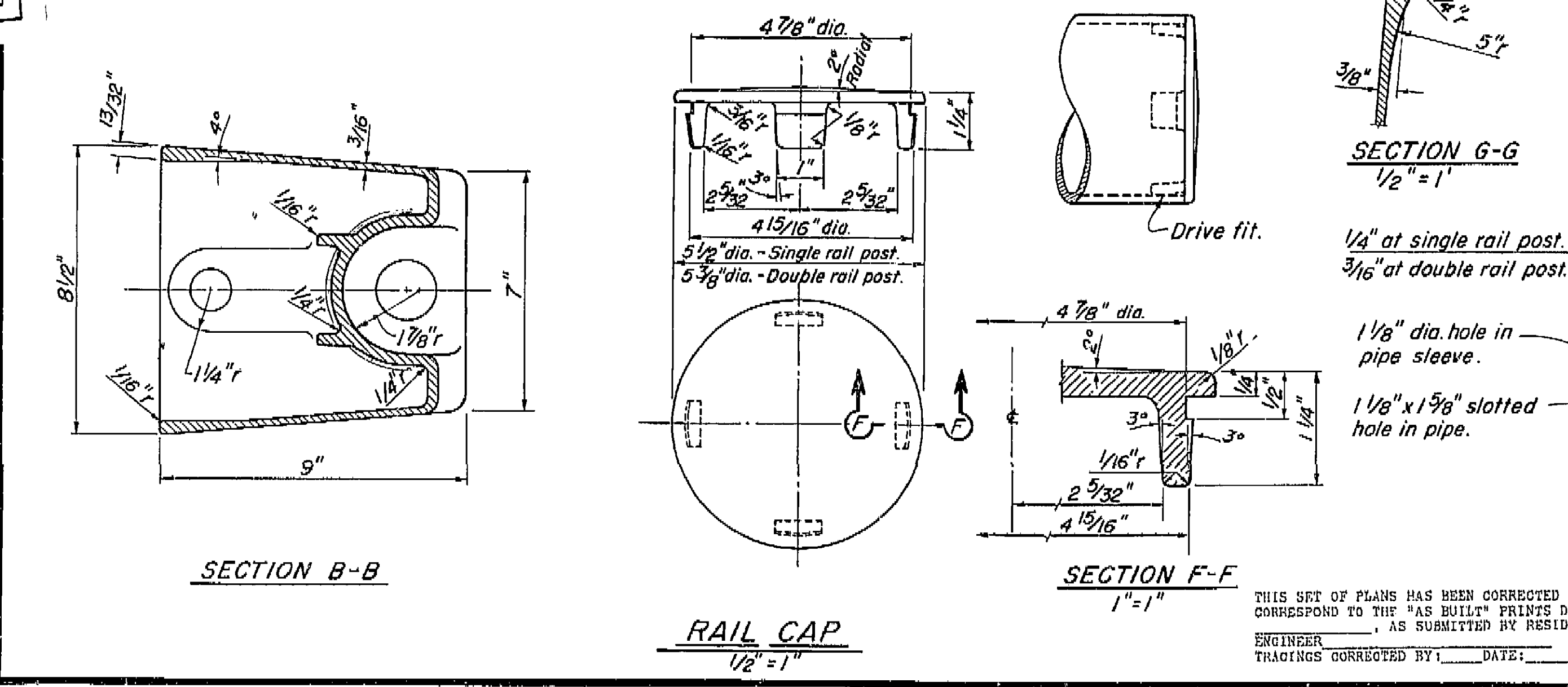


AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062

VI Fre 99		U-006-2(6) F-006-2(5)	
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
CALIF.		280	424
DATE APPROVED: August 28, 1961			



- Notes:
- At the option of the contractor, material for the railing shall be one of the following:
 - Aluminum pipe rail and cast aluminum post.
 - Steel pipe rail and cast steel post. Rail and posts to be galvanized. Steel pipe rail shall be 3/16" thick with 5" I.D. Rail post dimensions shall be revised as necessary to fit the steel pipe.
 - Shims are to be of asbestos sheet packing.
 - For railing on a horizontal curve the pipe rail shall be bent to the curve or the spacing of posts adjusted so that the middle ordinate between posts will not exceed 1'.



BRIDGE DEPARTMENT DESIGN SECTION 2		10/60	
Section Supervisor: <i>W. J. Jackson</i>		STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
DESIGN: <i>Ray Ahlberg</i> 11-60		CHURCH AVENUE OVERCROSSING	
DETAILS: <i>ED Berry</i> 11-60		BARRIER RAILING SHEET 2	
QUANTITIES: <i>D.R. Pollock</i> 11-60		Except as noted SCALE 3/8" = 1"	
PREL. DRAWING NO. P-42214-10		BRIDGE 48-214 FILE XS-9-71 DRAWING C-42214-12	

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 11-12-62 SIGNATURE *Wm. J. Jackson* TITLE *Section Supervisor*

